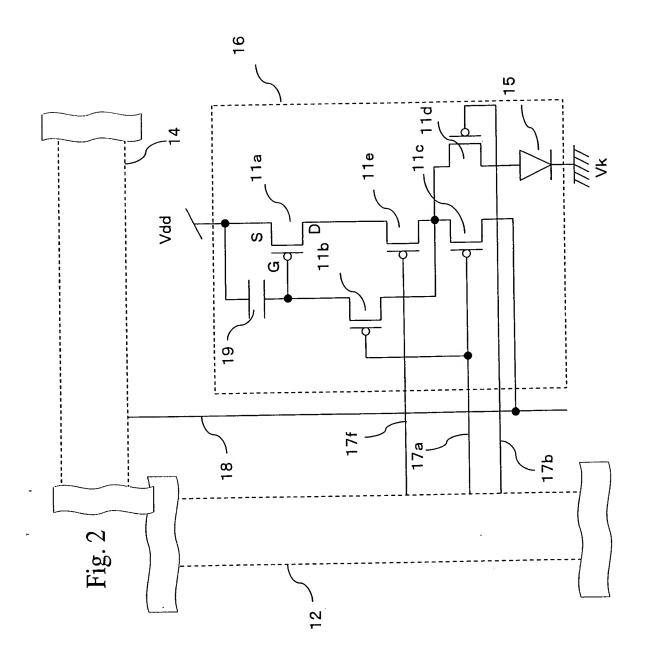
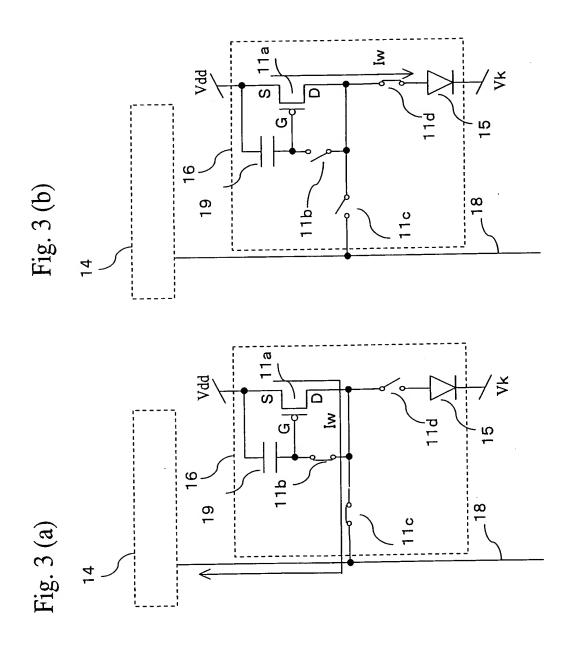


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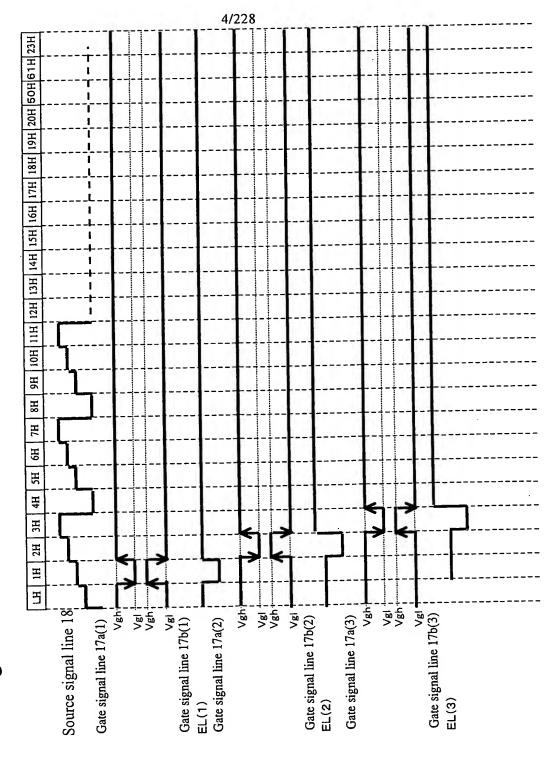


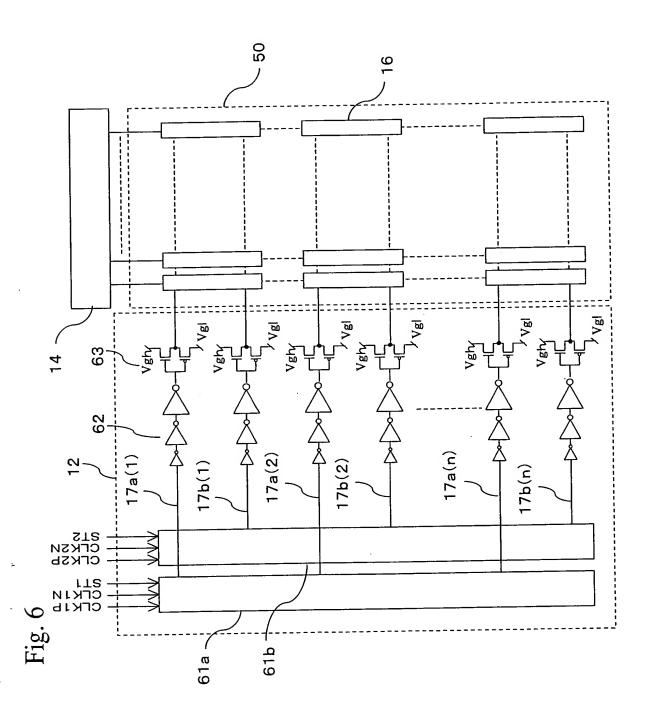
Fig. 4

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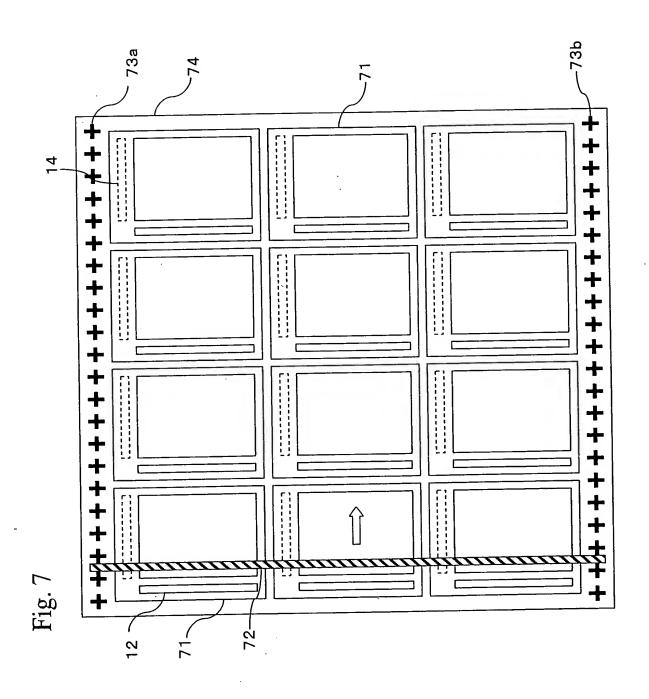
20

53b Fig. 5 (b) 52 51a Fig. 5 (a)

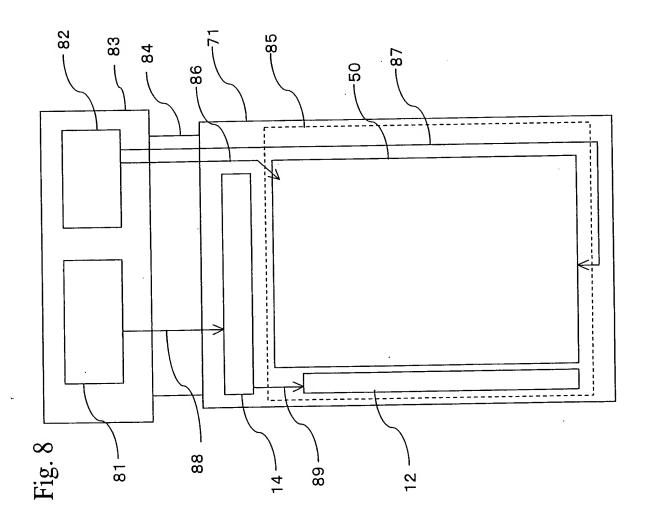
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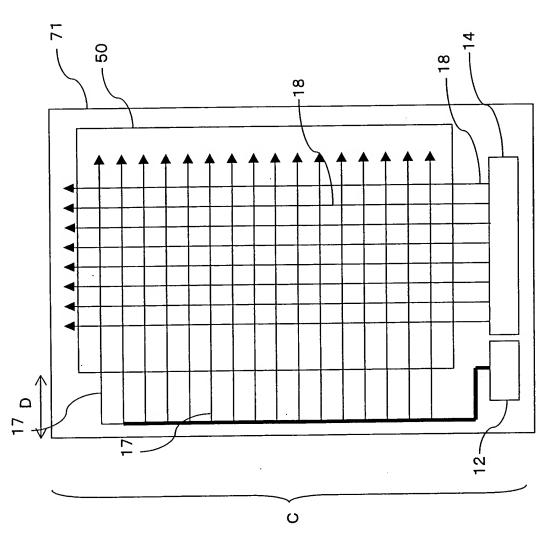
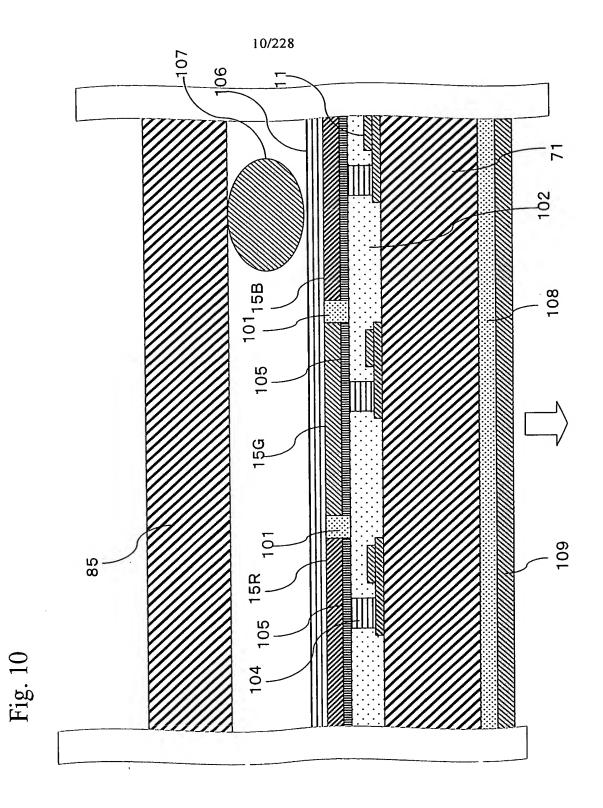


Fig. 9

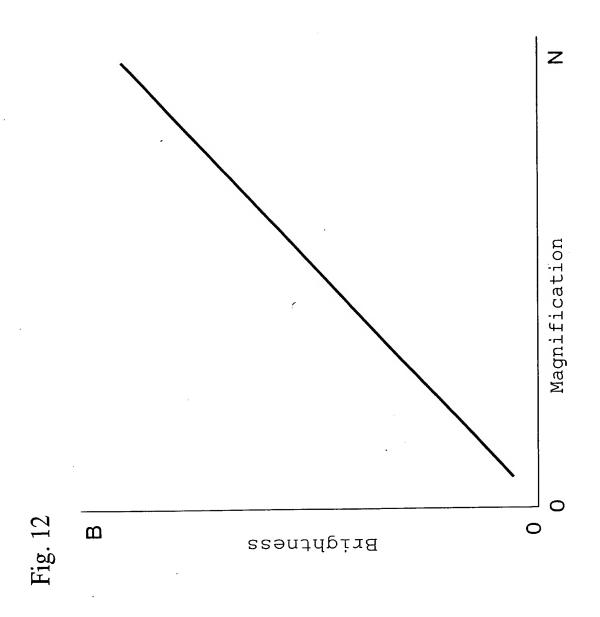
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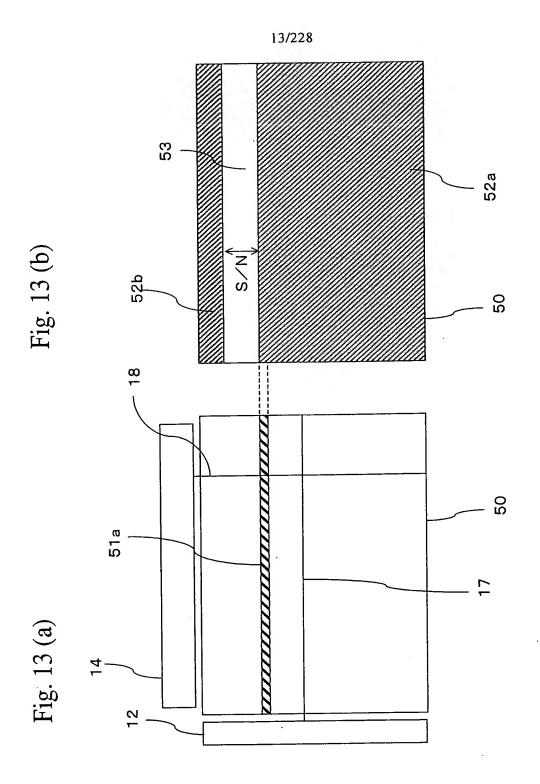


102 15B 15G 15R 101 Fig. 11

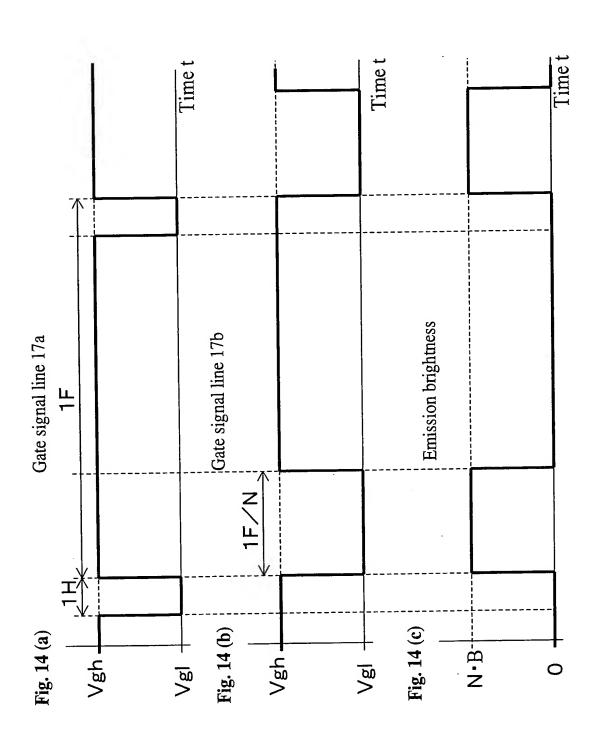
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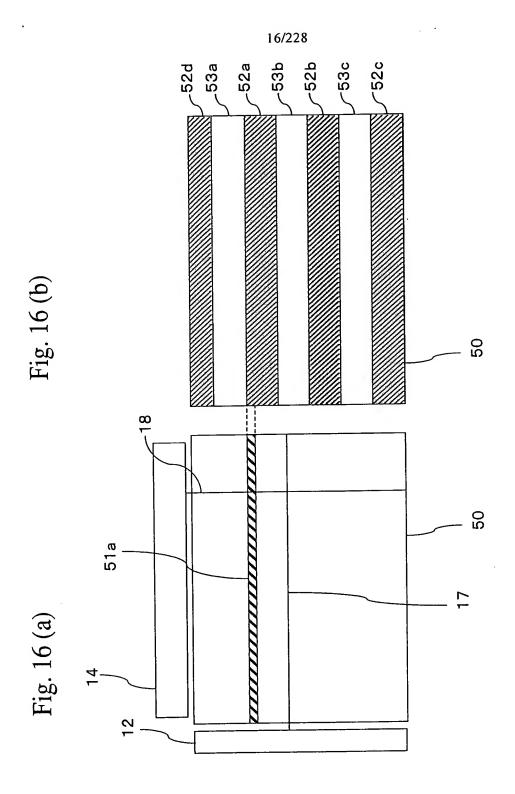




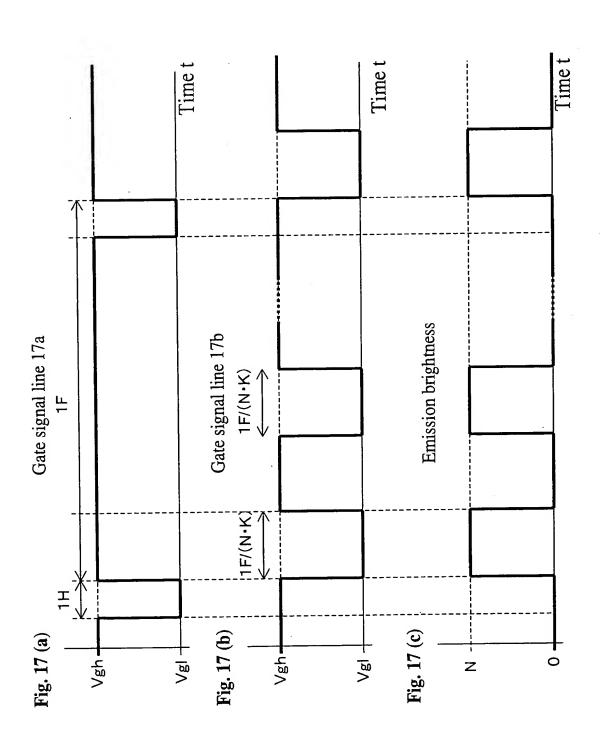


15/228 20H | 50H | 61H | 23H 18H 19H 17H 14H 15H 10H 11H 12H 13H H8 **7H** H9 SH **4H** 3H 2H HI Gate signal line 17a (1) Vgh Vgh Vgl Gate signal line 17b (1) Vgl Ogher Signal line 17a (3) Vgh - Vgh Oate signal line 17a (2) Vgh

Fig. 15



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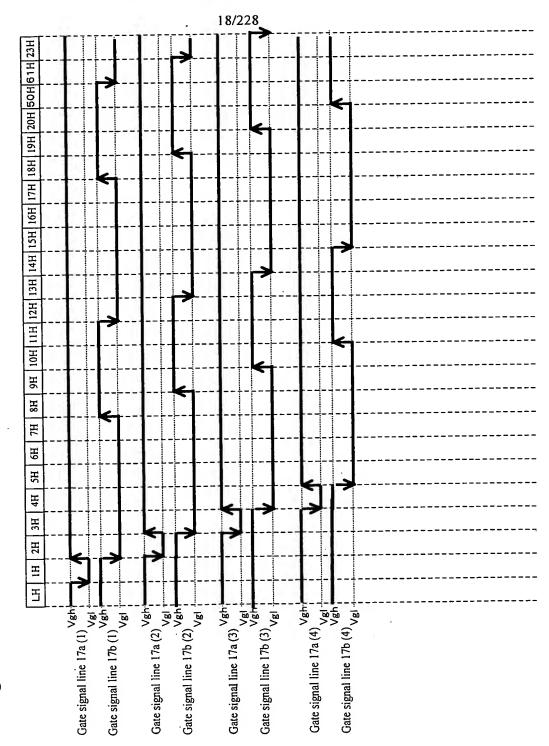
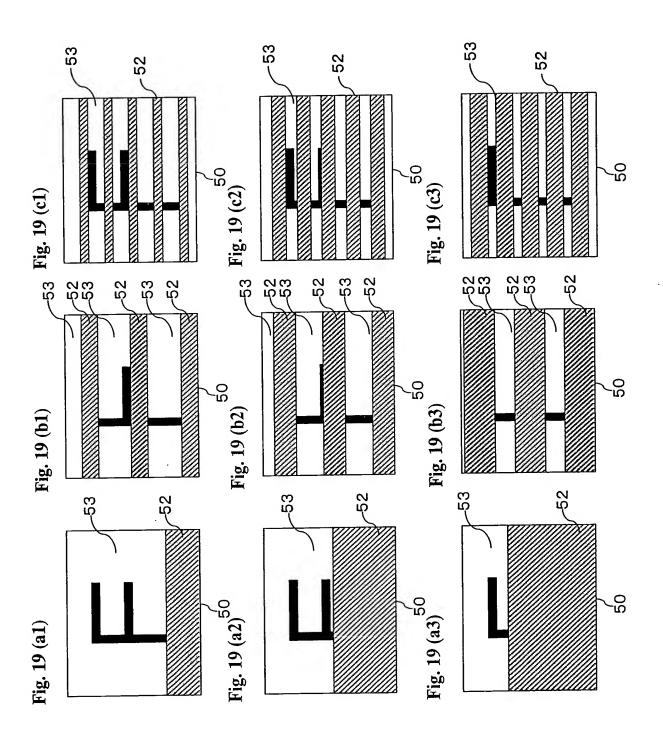
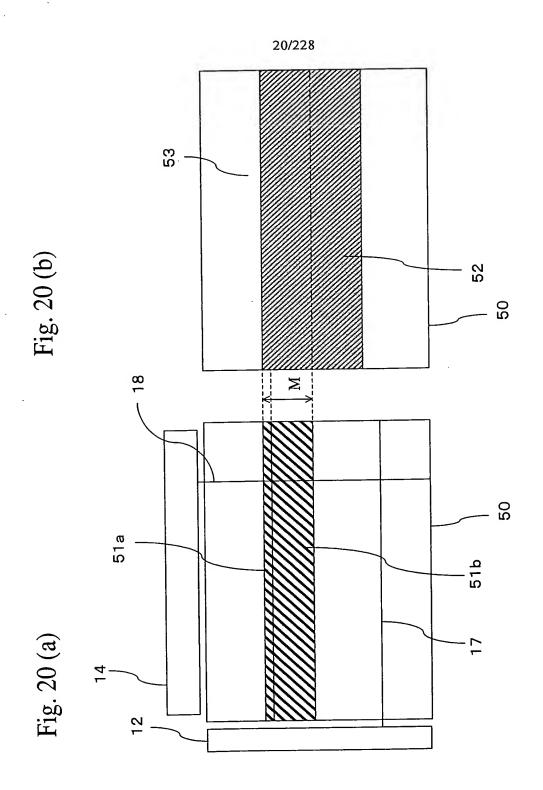


Fig. 18

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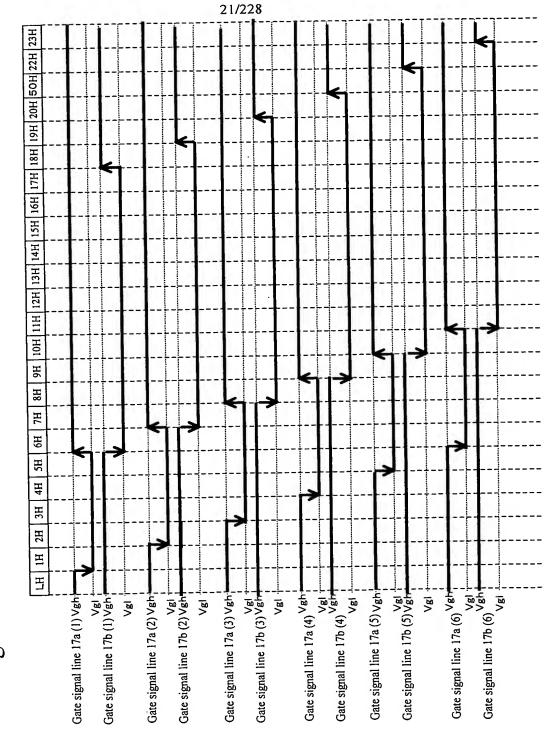
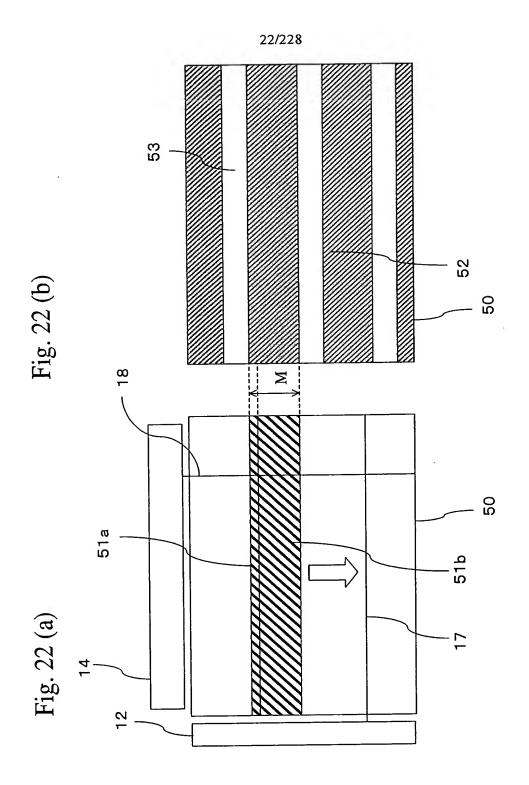


Fig. 2



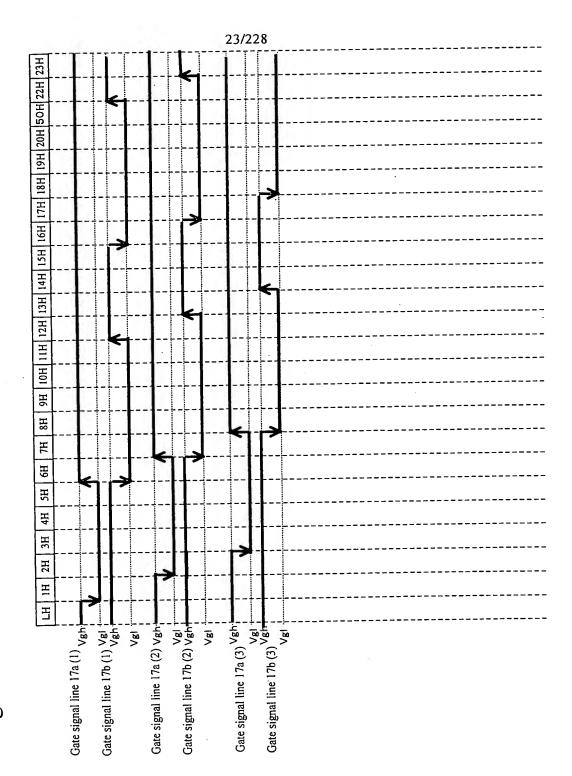
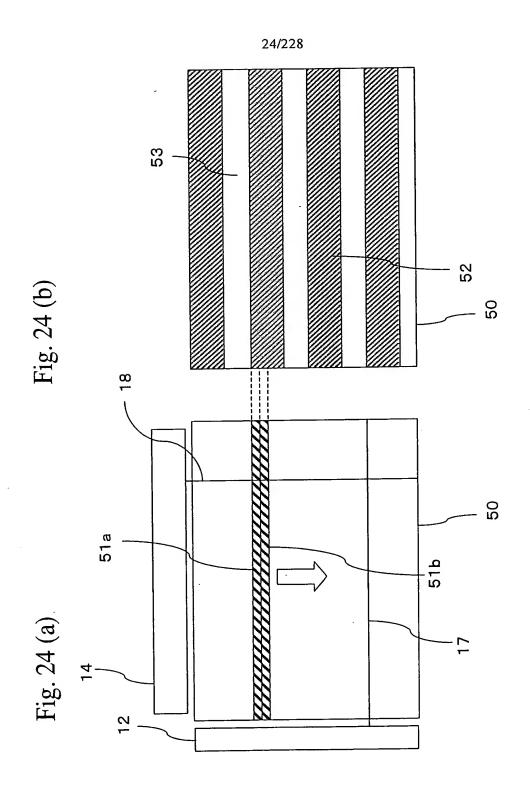


Fig. 2



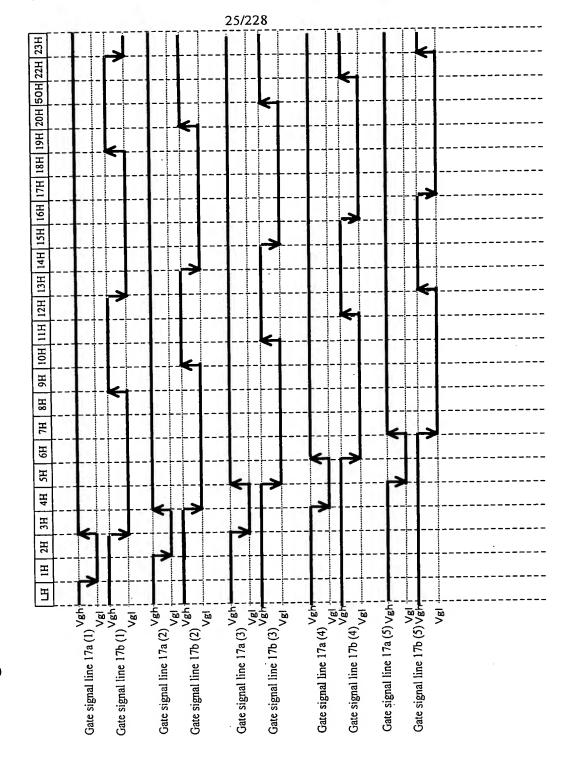
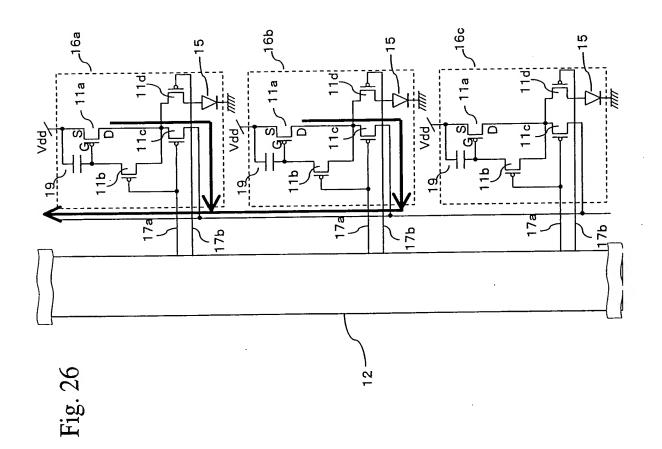
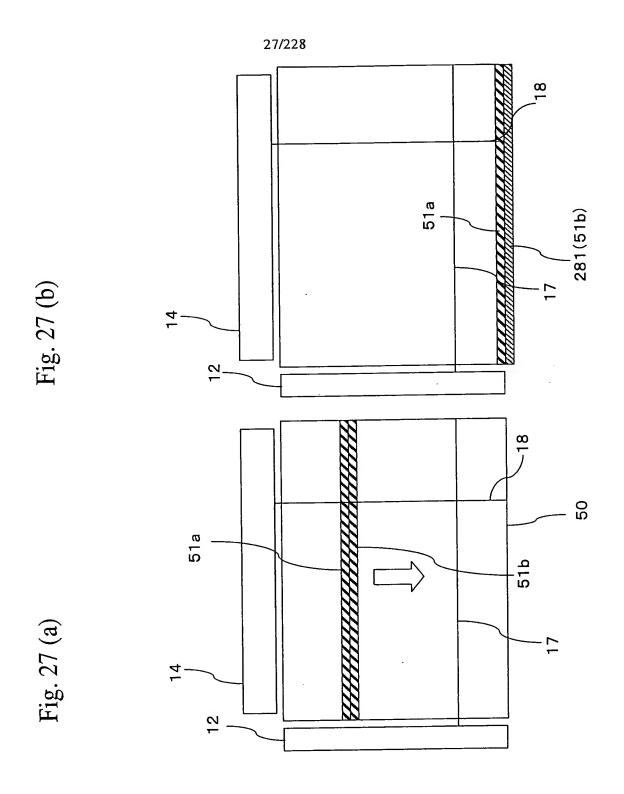


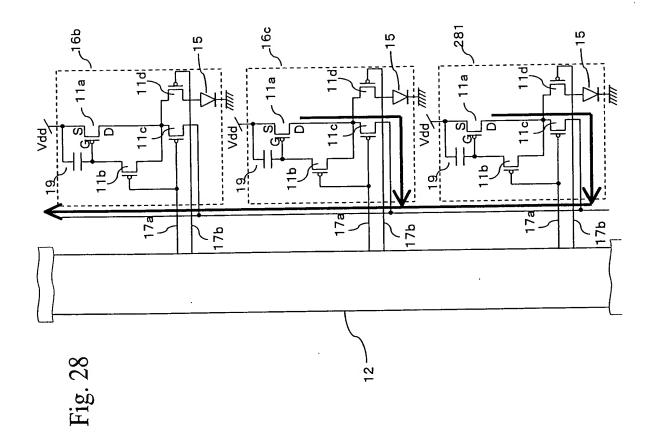
Fig. 25

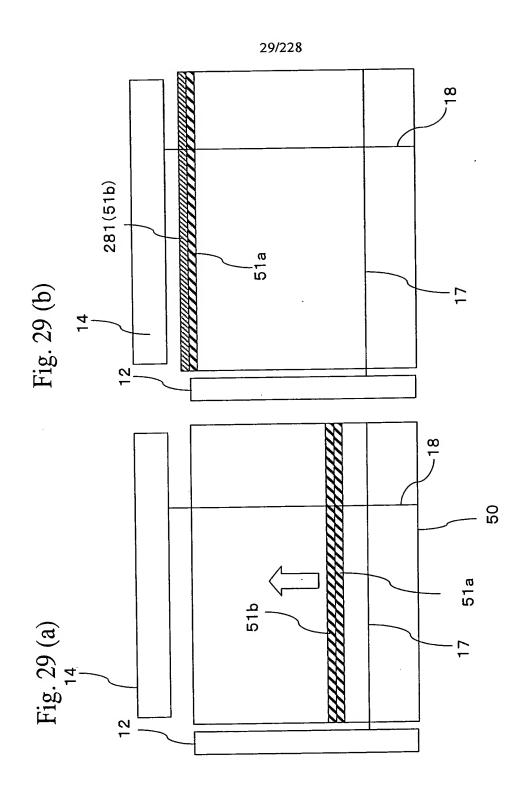
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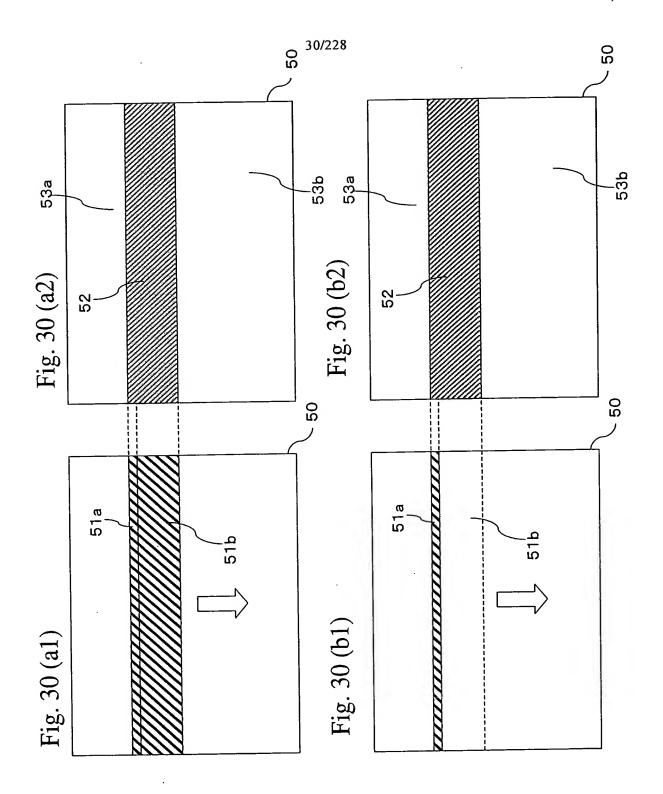




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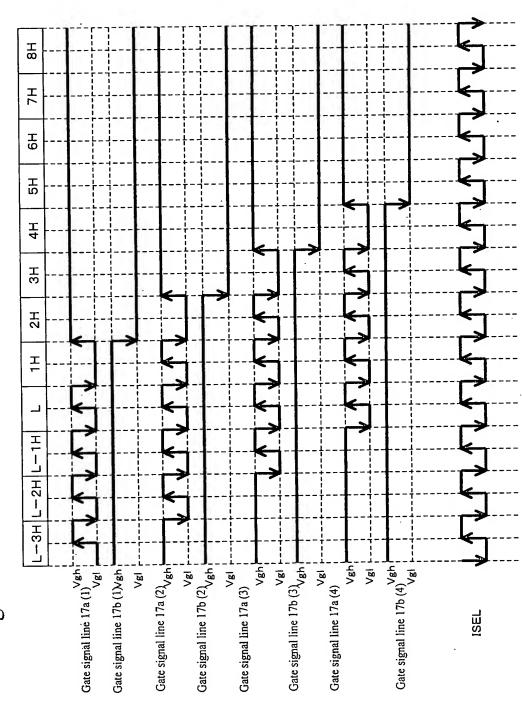
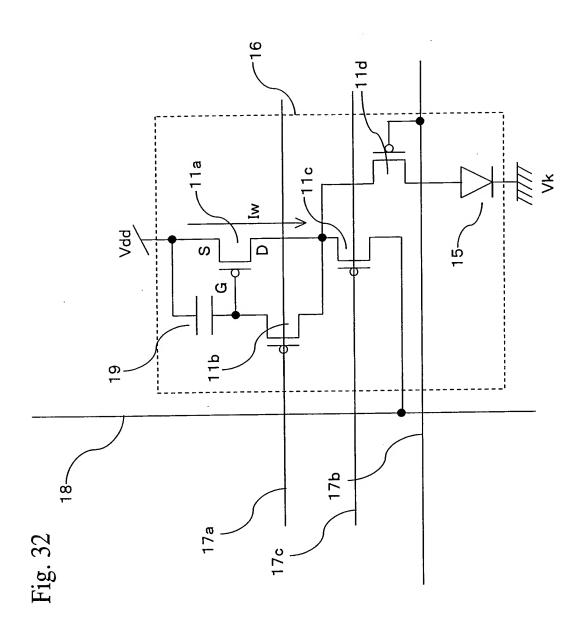
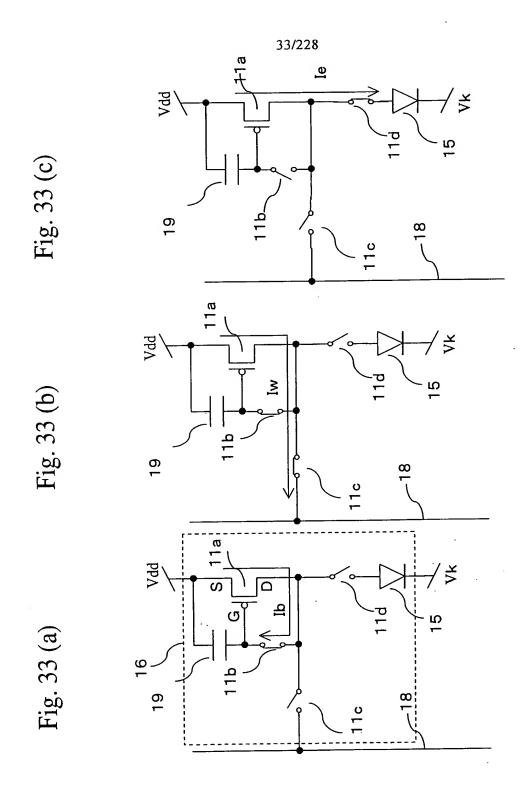
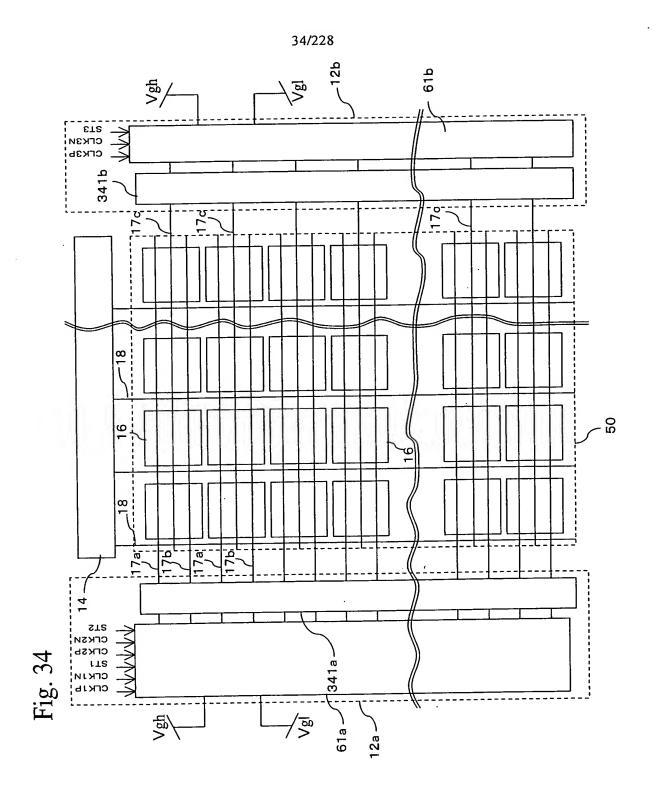


Fig. 31

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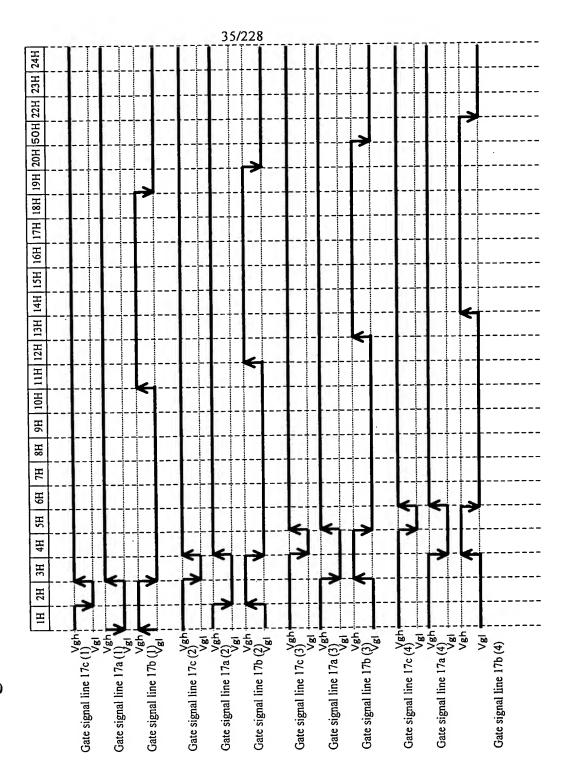


Fig. 35

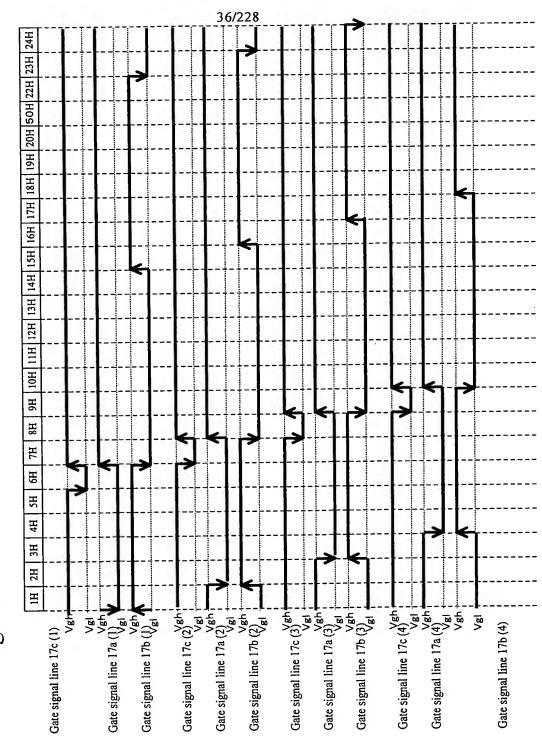
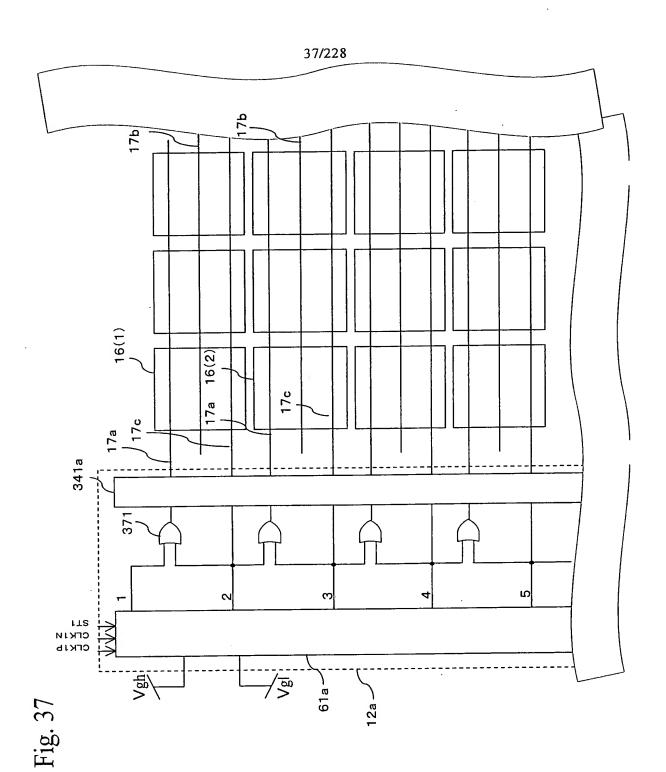
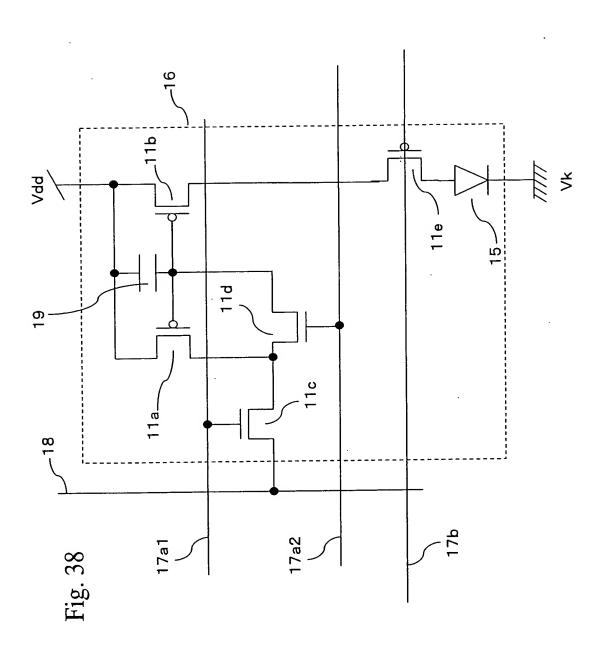
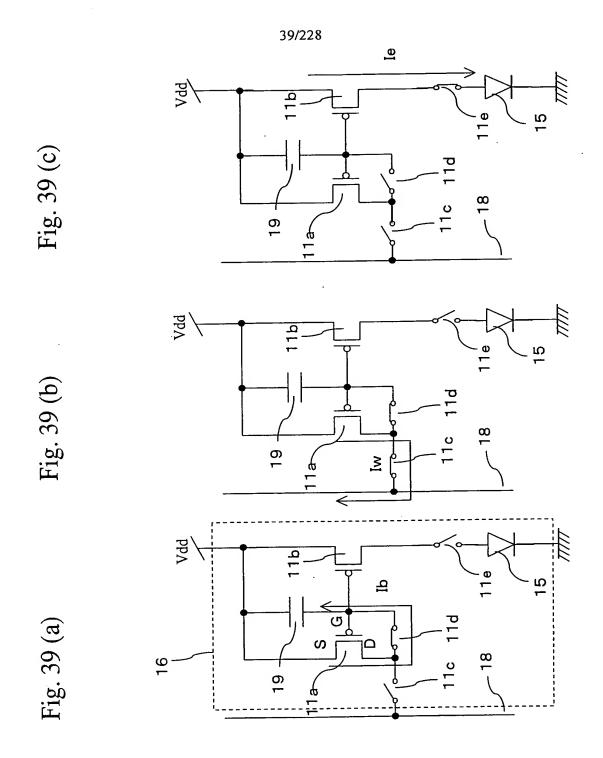


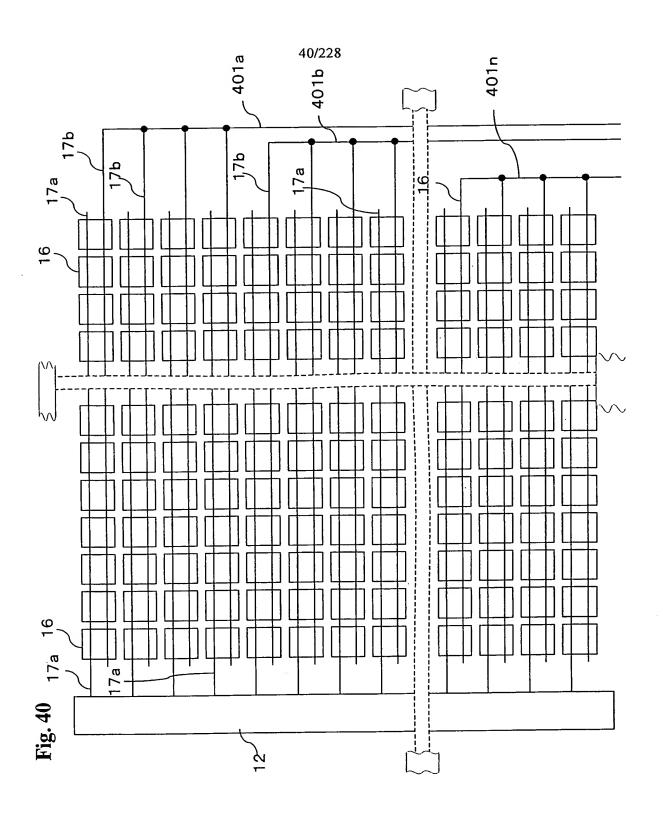
Fig. 36



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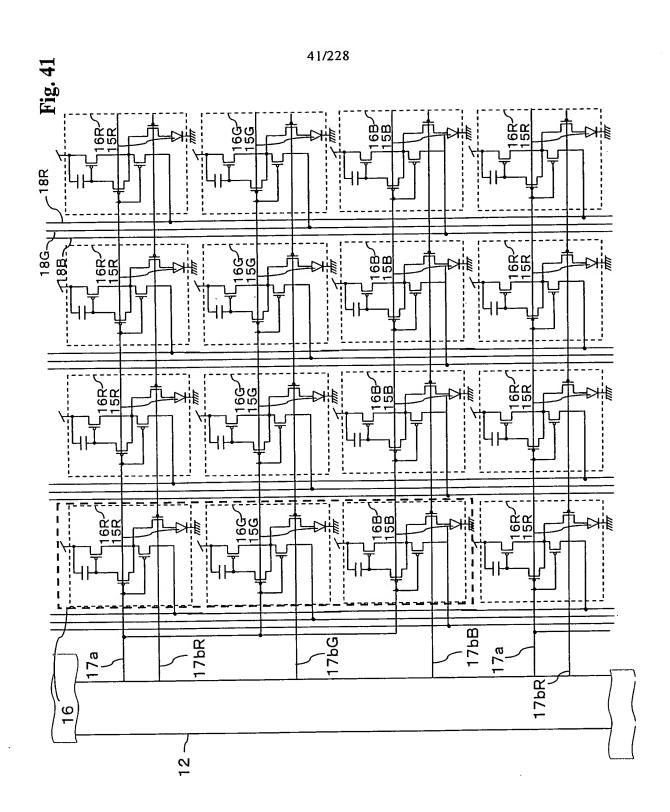
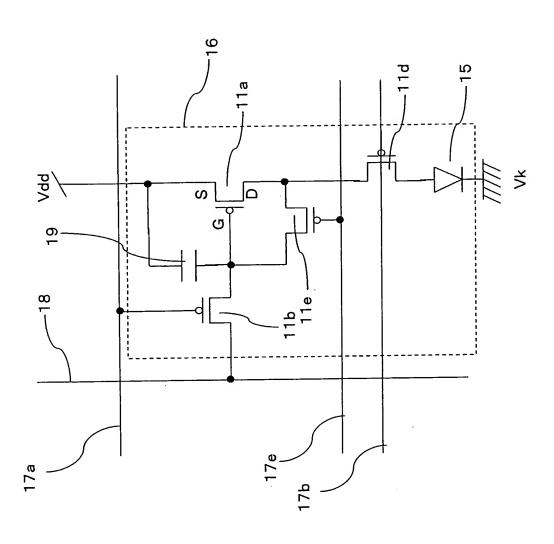


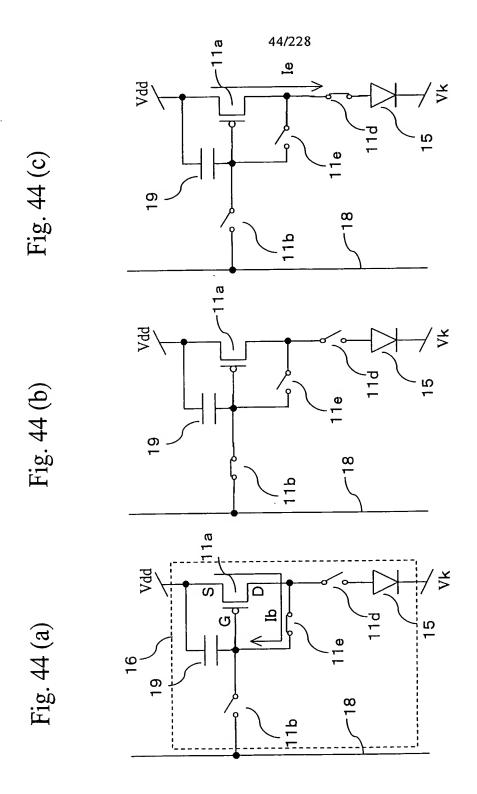
Fig. 42 (b)

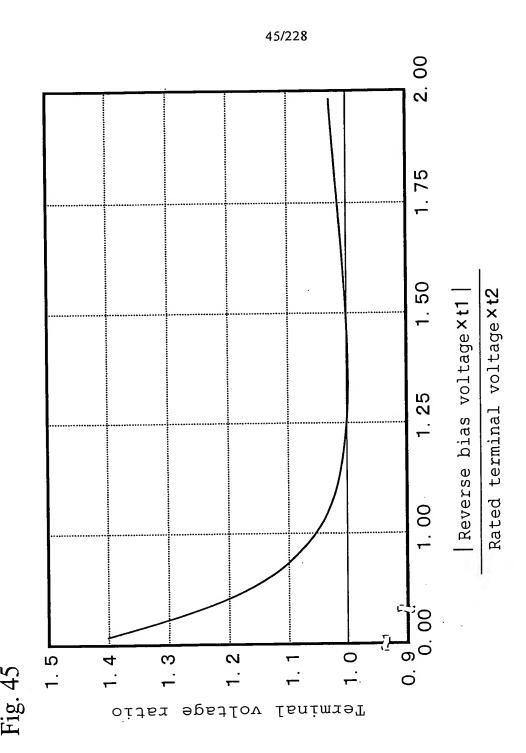
42/228 ρpΛ 17a2 17a1 υ ρpΛ တ 9 $\frac{1}{\infty}$

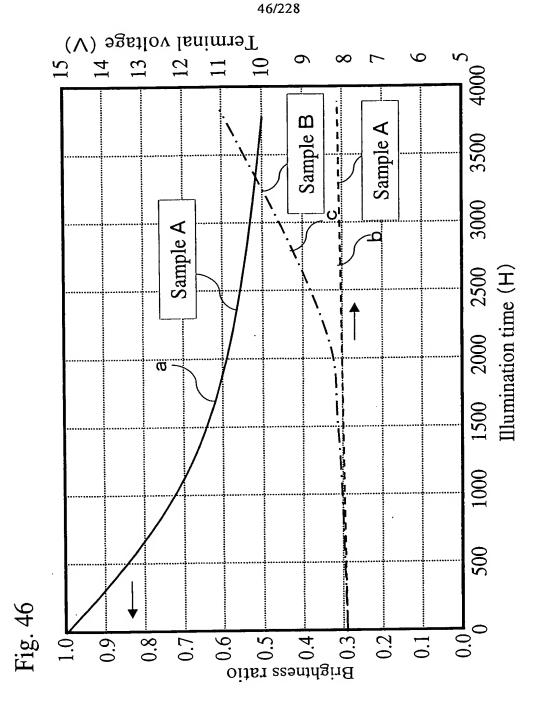
Fig. 42 (a)

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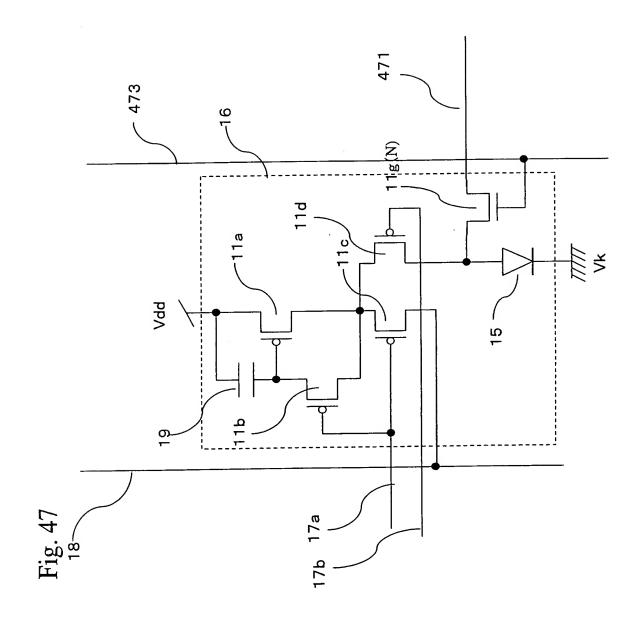


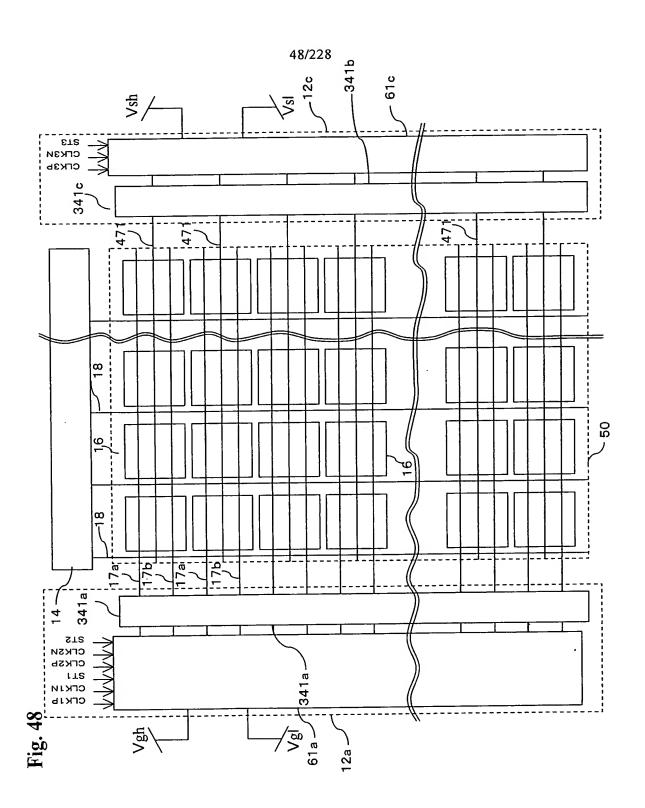




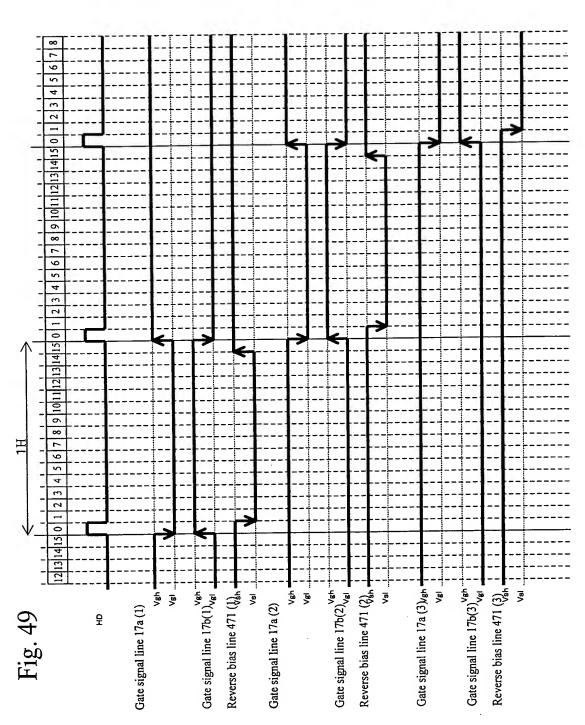


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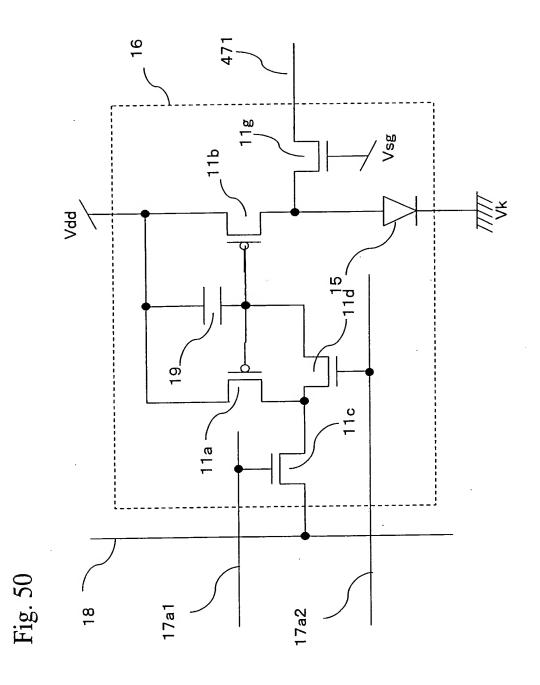


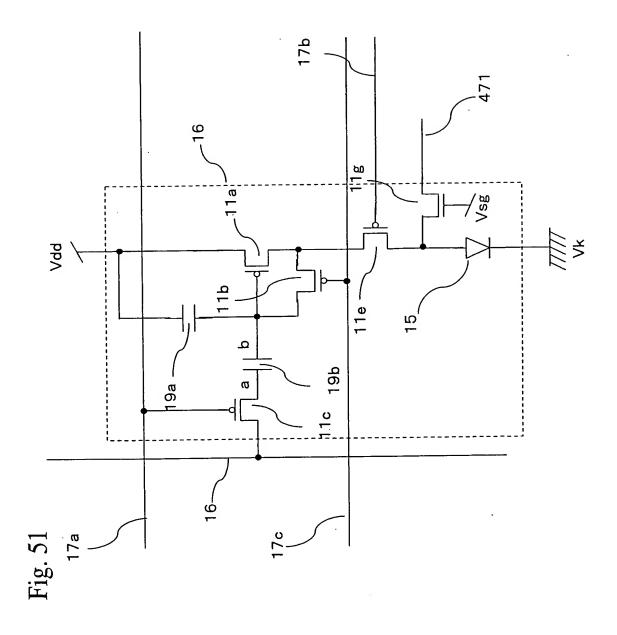


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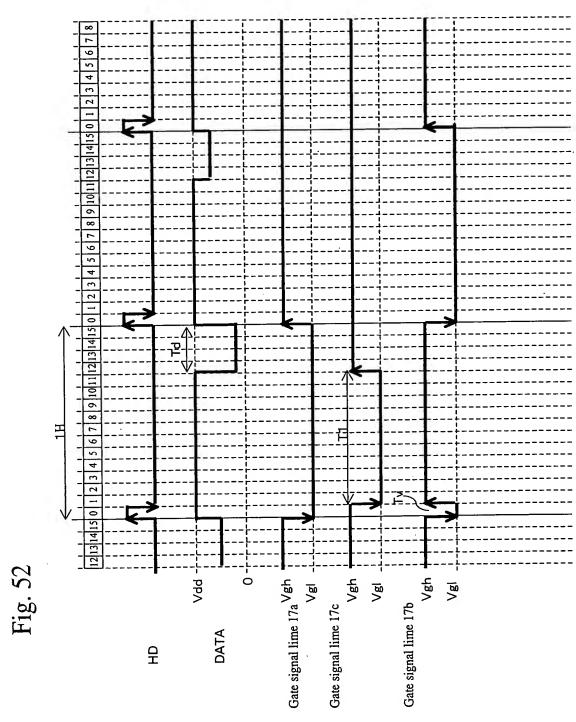


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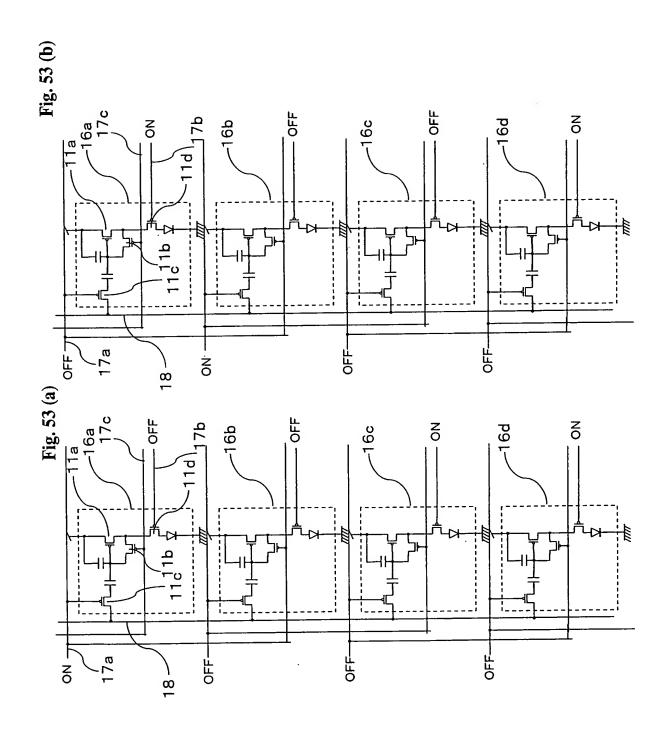




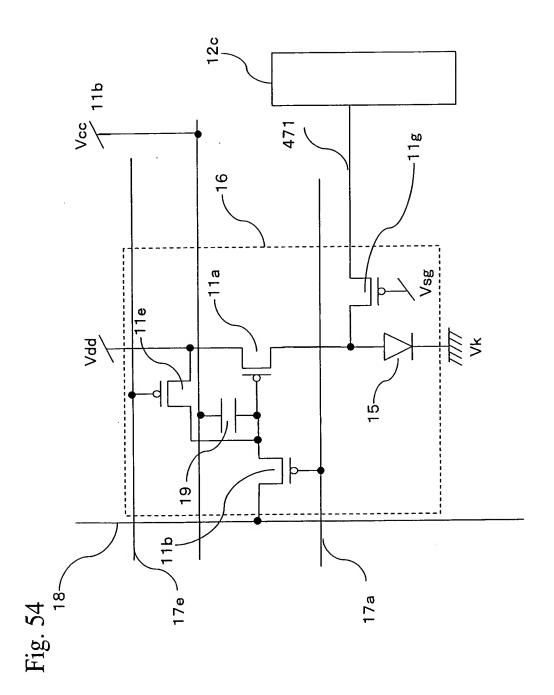




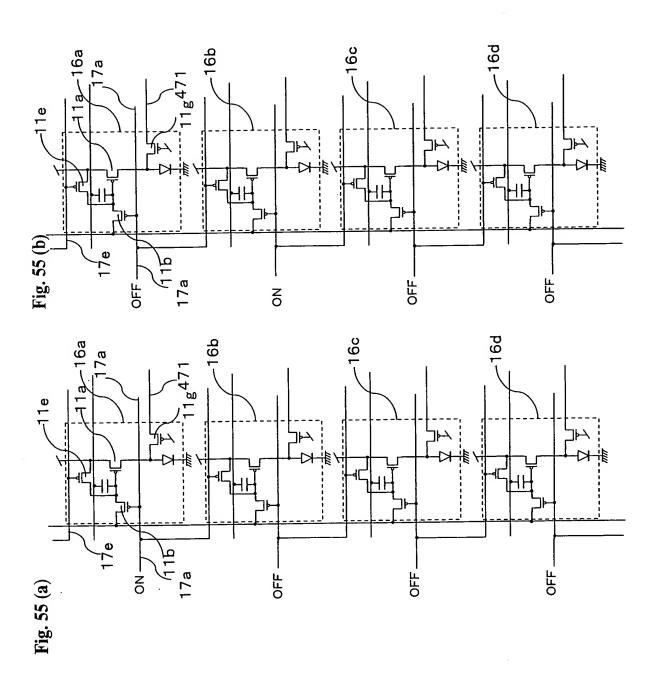
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56/228 Fig. 56 (b) Vdd 562 ≥ 19 Fig. 56 (a) 561

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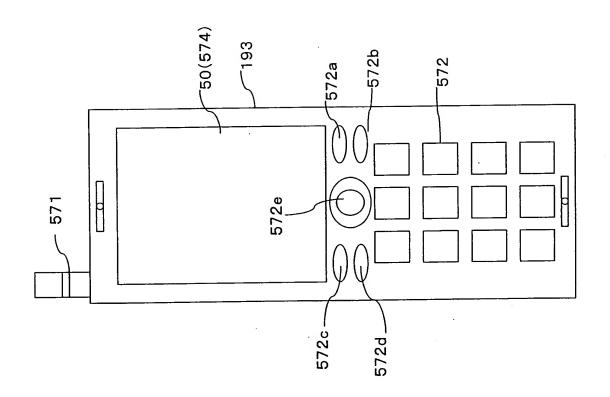
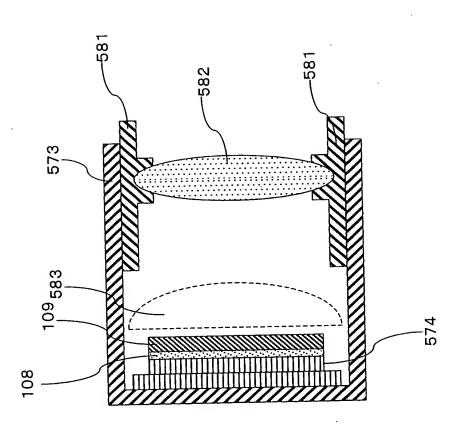


Fig. 5'

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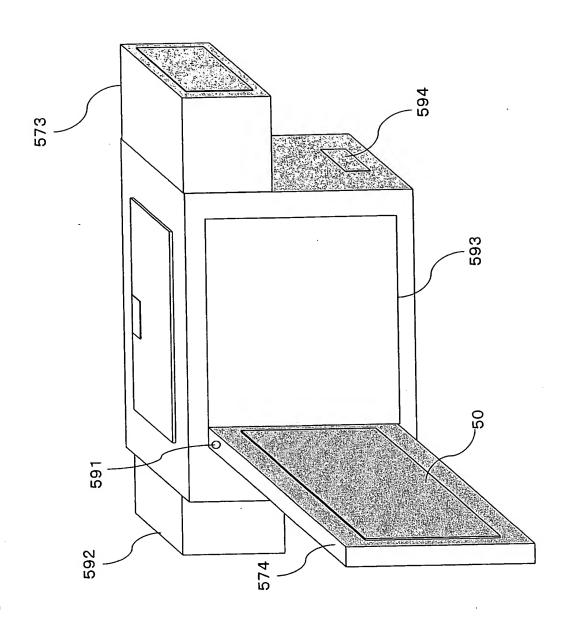
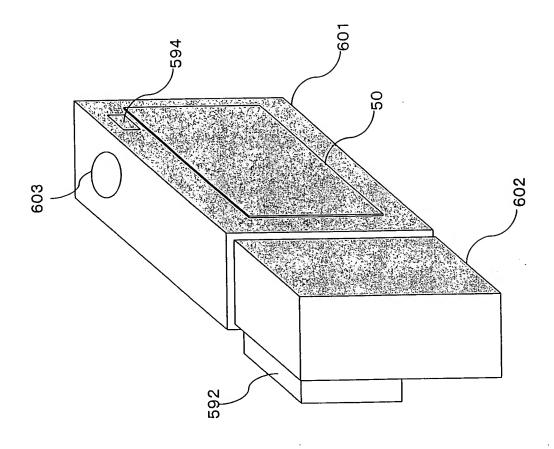


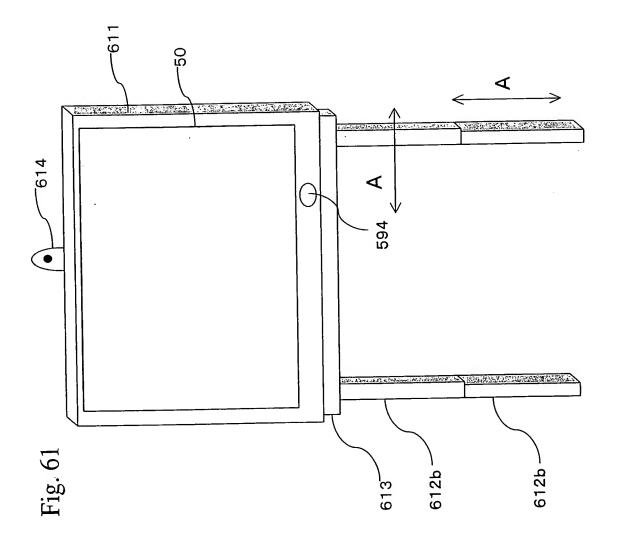
Fig. 59

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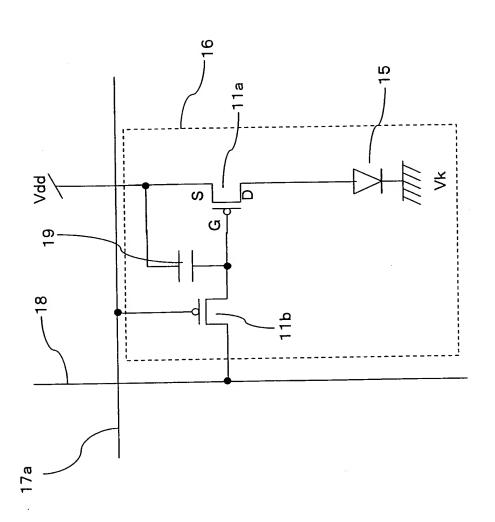
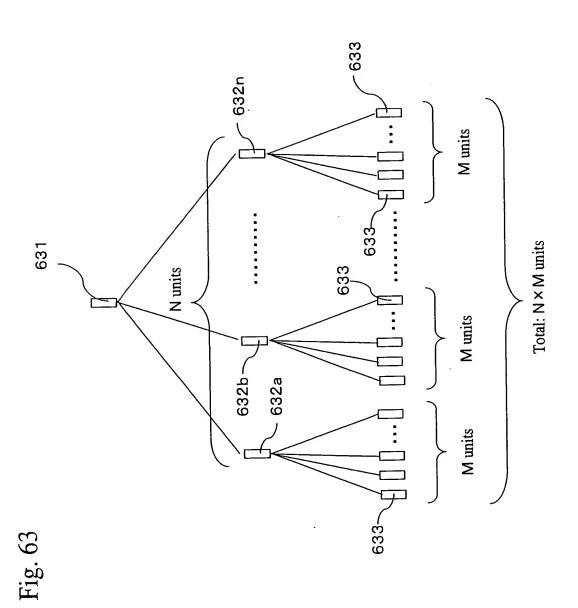


Fig. 62

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64/228 761 -641f Vw ĭ D2 634 643 -641c D2 -641b 634 6414 D ු ල 632b1 633a

Fig. 64

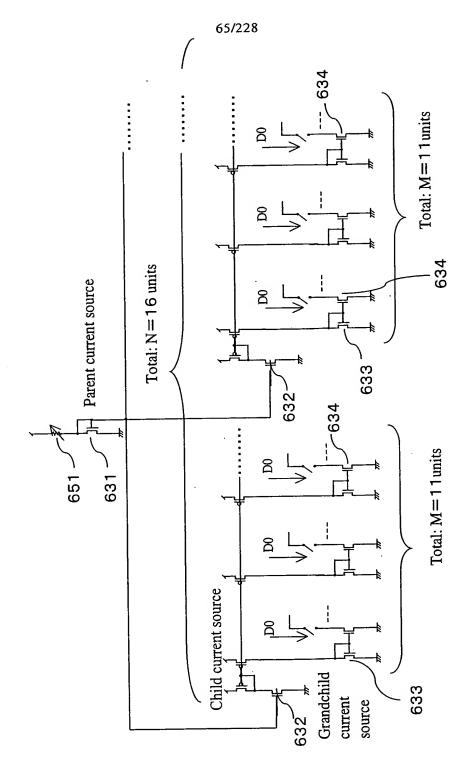


Fig. 6.

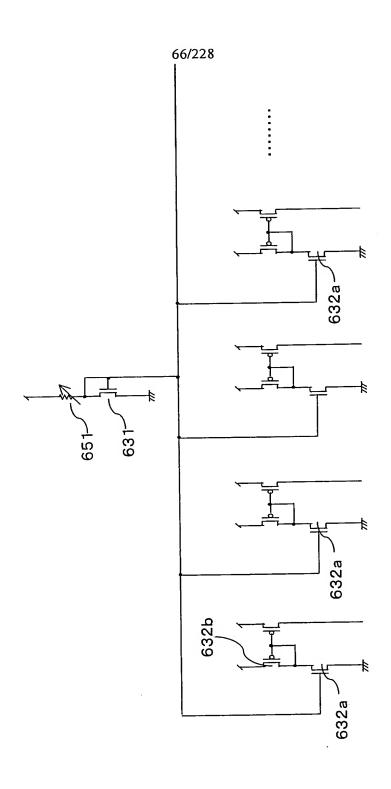
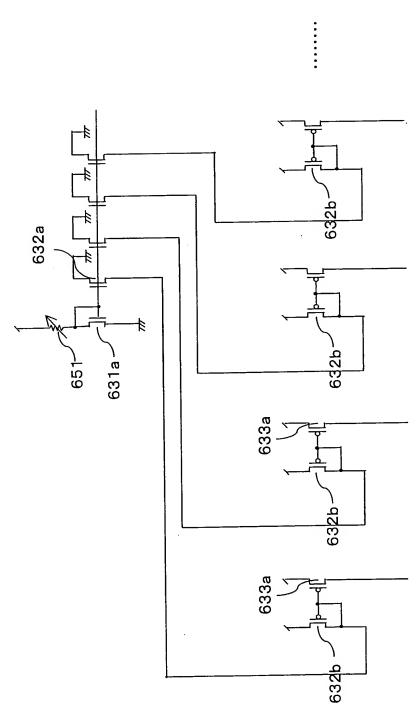
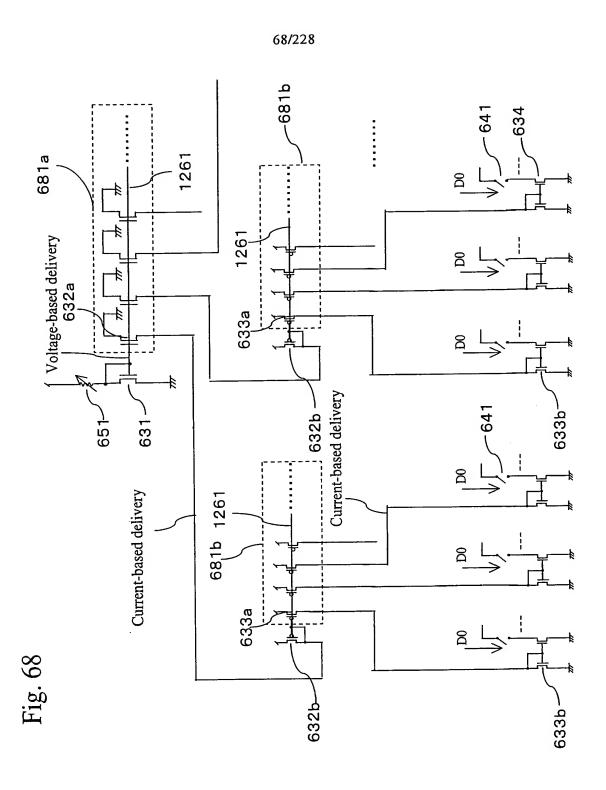


Fig. 6(





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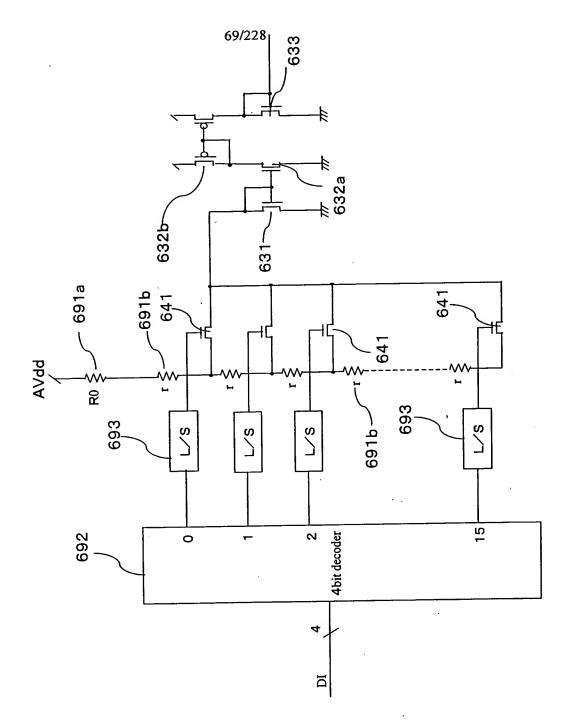


Fig. 69

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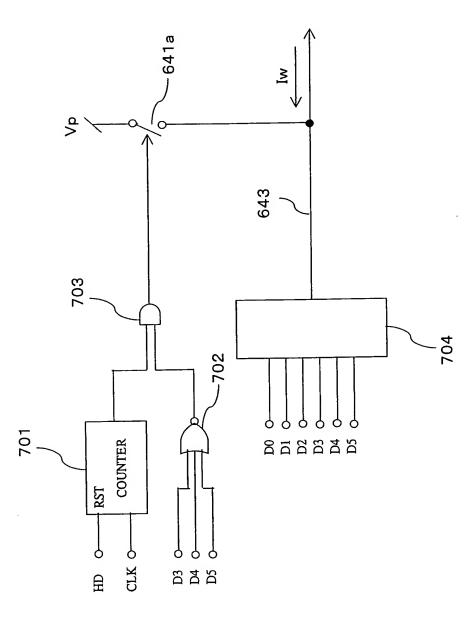


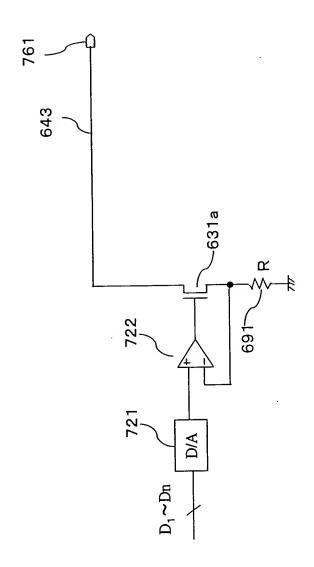
Fig. 7

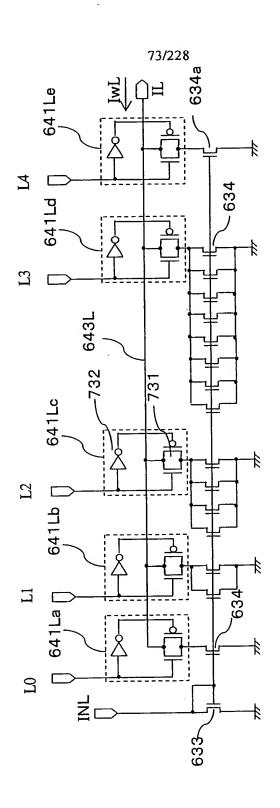
71/228 ≥ D2 643 D 옵-K \mathbf{K} **K**0 632 . ₩ 633 631 651

Fig. 71

OBLON ET AL (703) 413-3000 DOCKET #21105951 SHEET 720F 228

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74/228 641Hf H5 641He H4 . 643H [] , Ĭ¥ ¥ 641Hd H3 AK2 H2 AK1 AK0 H1 H1 () 64 1,Ha() 6 Fig. 74 H0 Z.

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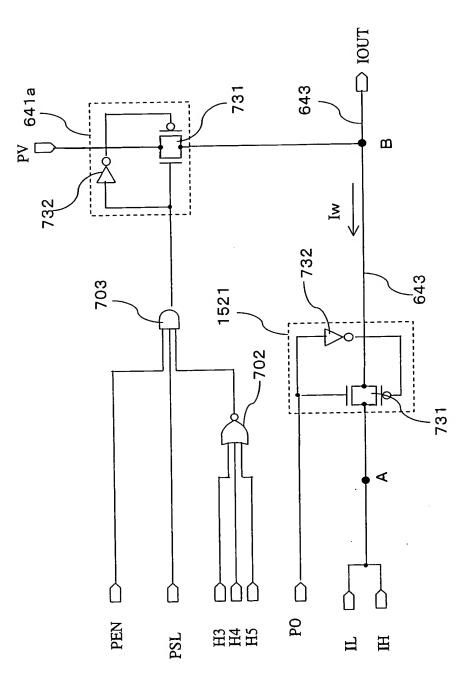
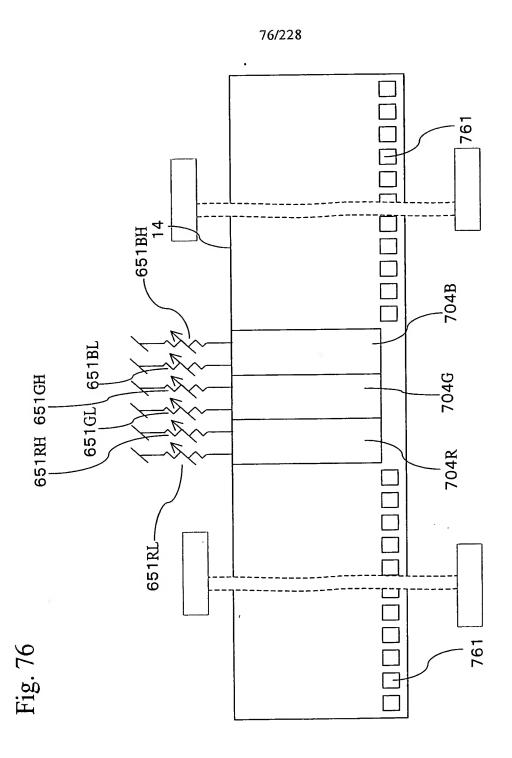
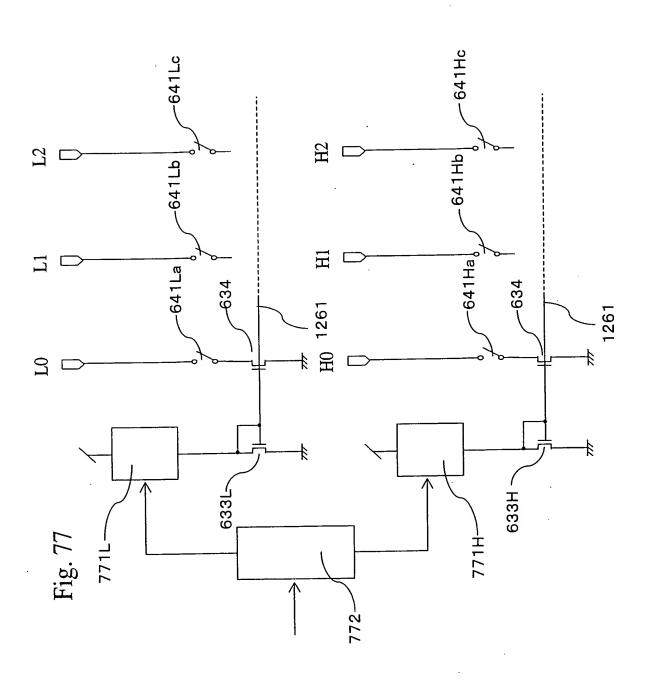


Fig. 7.

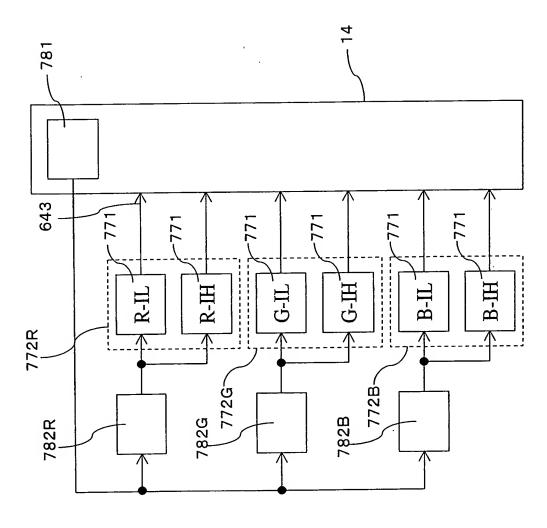


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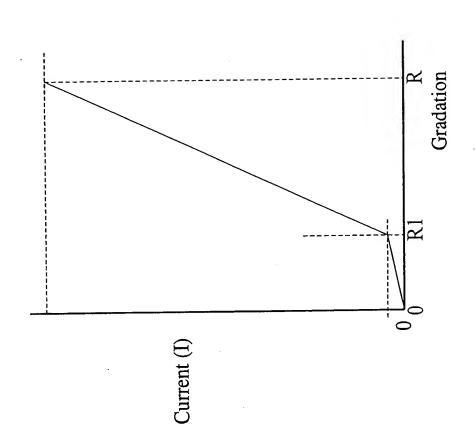


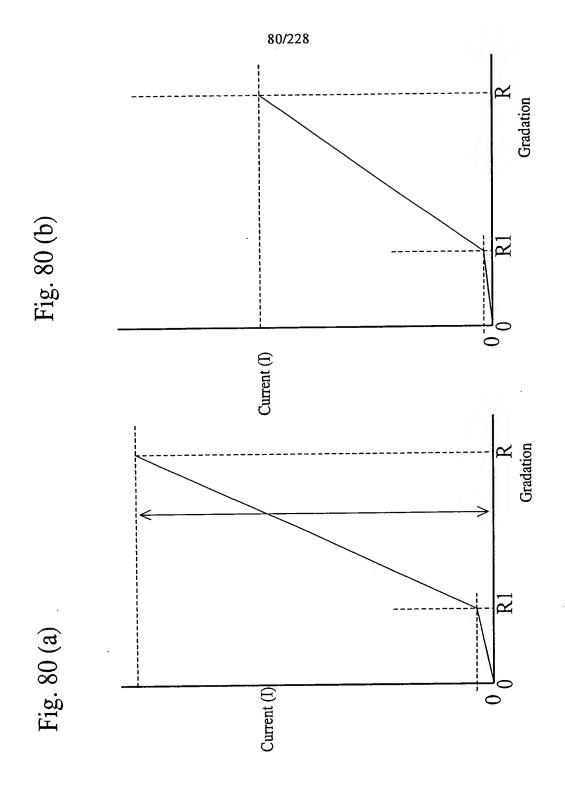
DOCKET #2605751 SHEET 76 128

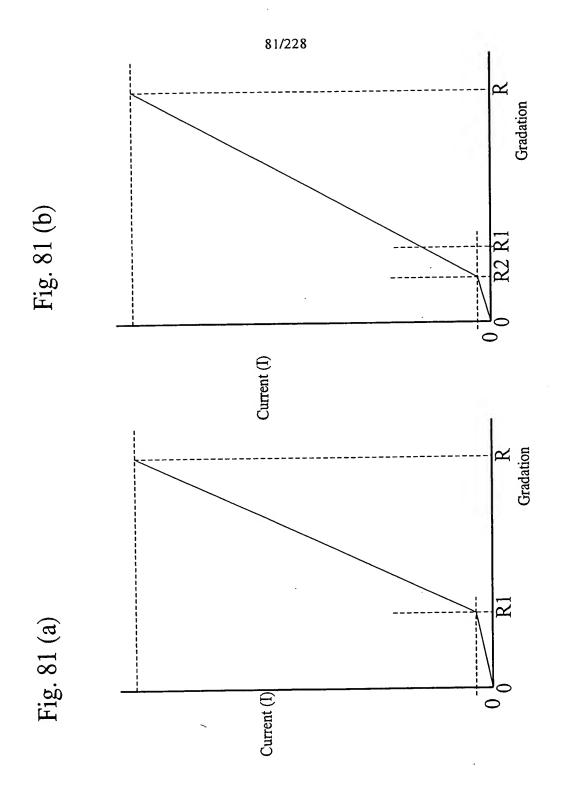
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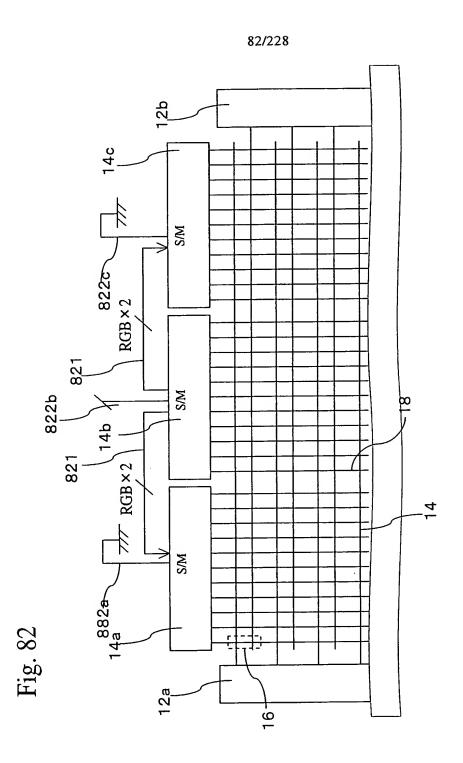


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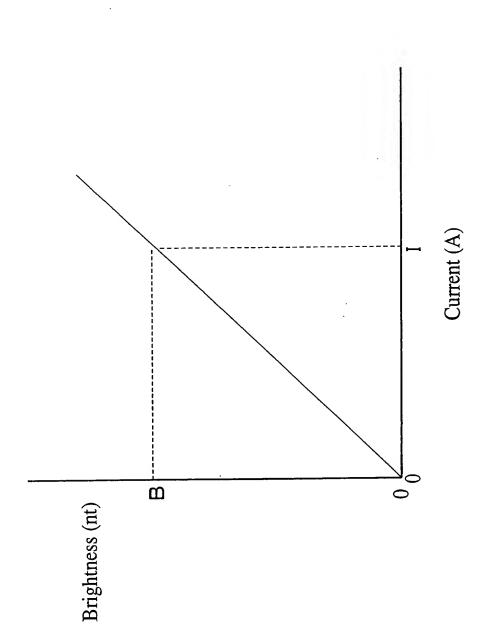






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H4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.—	-	-	
НЗ	0	0	0	0	0	0	0	0	0	0	0	0	-	-	₩.	-	0	0	0	
H2	0	0	0	0	0	0	0	0	-	-	-	1	0	0	0	0	0	0	0	
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L4	0	0	0	0	1	1	1	-	-	-	-	-	-	1	١	1	-	-	-	·
F.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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2	0	-	0	-	-	-	-	-	-	1	-	-	-	-	-	_	-	-	-	
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НЗ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	
Н2	0	0	0	0	0	0	0	0	0	0	0	0	1	-	1	1	0	0	0	
H	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	
PH	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	
L4	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	L	1	ŀ	
L3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
L2	0	0	0	0	1	-	-	-	-	1	-	1	1	1	1	1	l	1	1	
L1	0	0	1	-	0	0	-	-	-	1	1	1	1	1	1	L	1	1	1	
ΓO	0	-	0	1	0	-	0	-	-	-	1	1	1	1	1	1	1	1	ŀ	
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H5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
유	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	.0	
L4	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0		-	-	
L3	0	0	0	0	0	0	0	0		,- -	-	-	-	-	-		-	0	0	
7	0	0	0	0	-	-	-	-	0	·	0	0	-	-	-	-	-	0	0	
2	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-	-	-	-	
9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	-	-	-	
Gradation	0	-	2	ო	4	വ	9	7	ω	o	10	7	12	13	14	15	16	17	18	

10/511448 OBLOWET AL (703) 413-3000 DOCKET (2005/952.5 SHEET 870F 228

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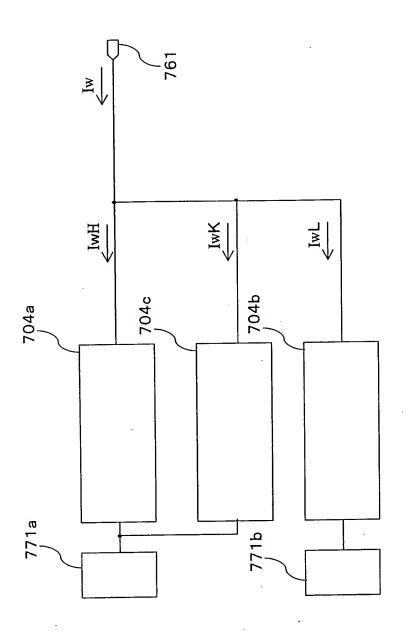


Fig. 87

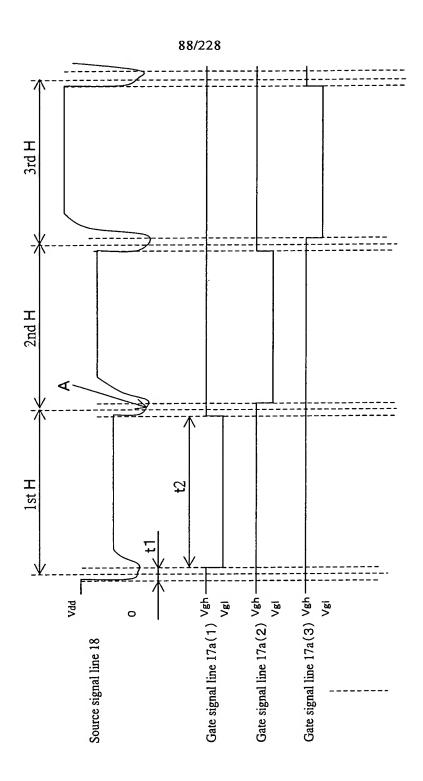


Fig. 88

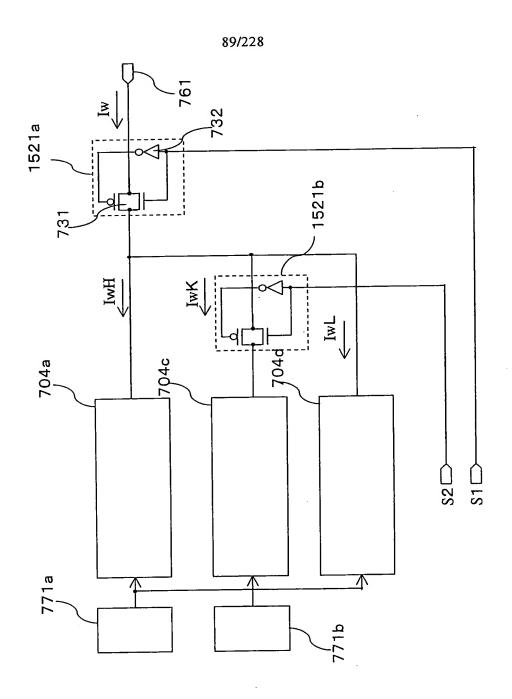
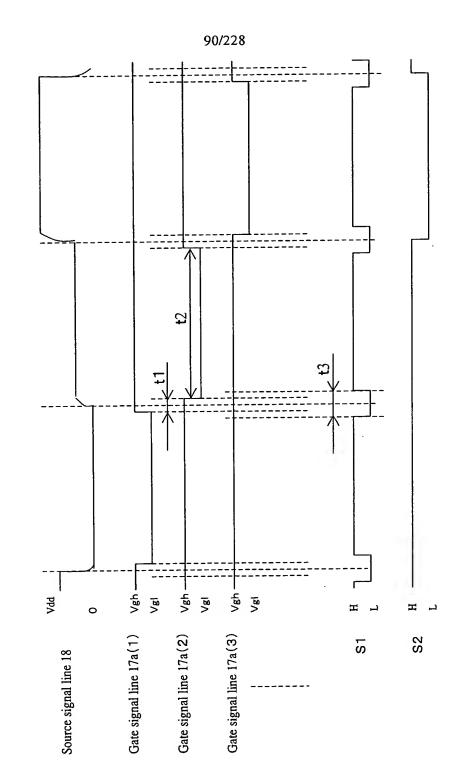
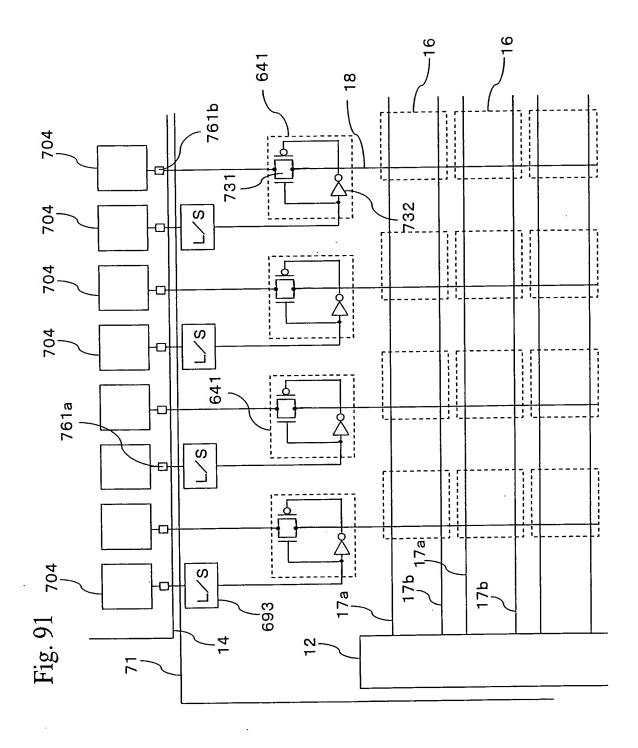


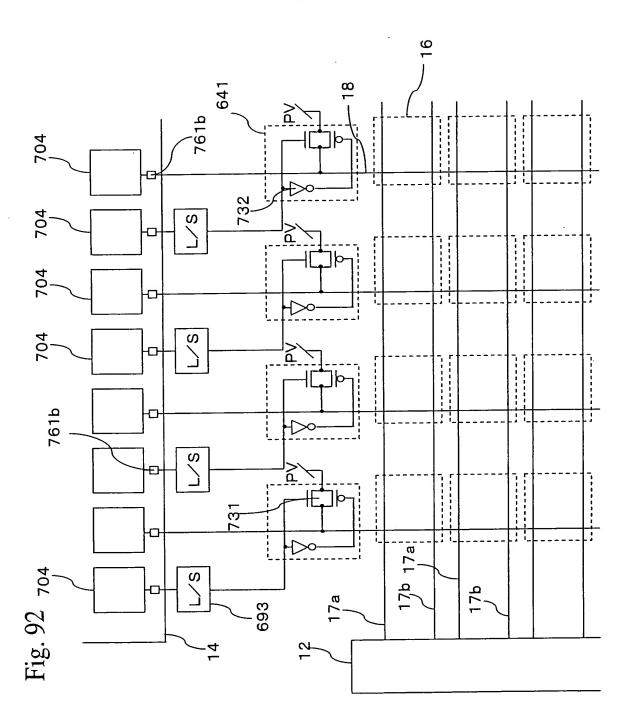
Fig. 89



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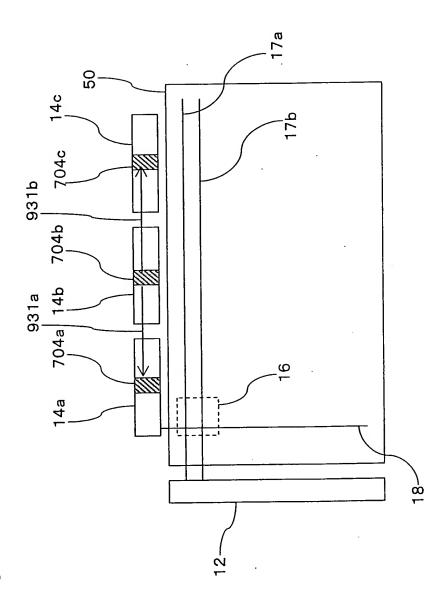


Fig. 93

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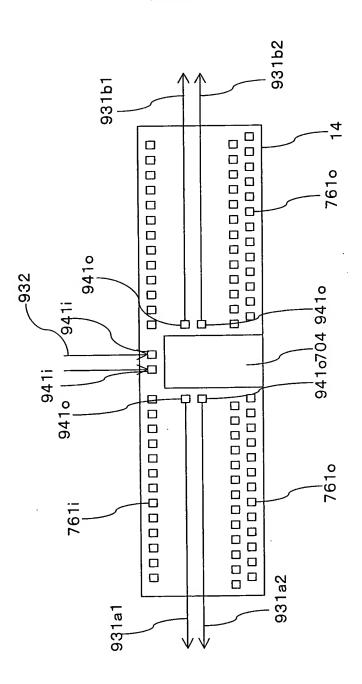
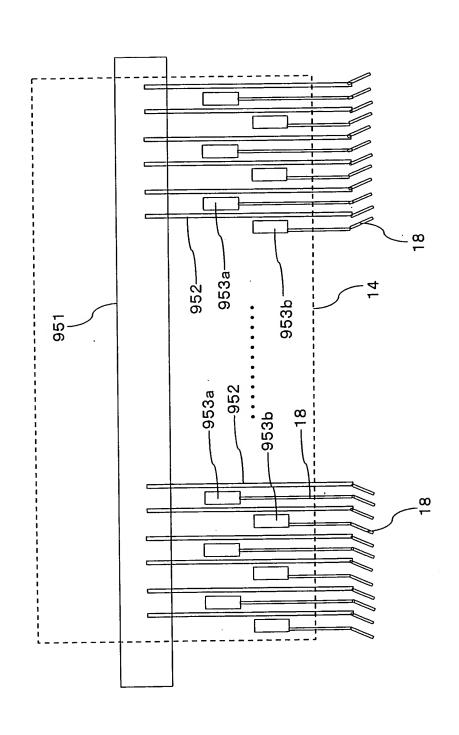
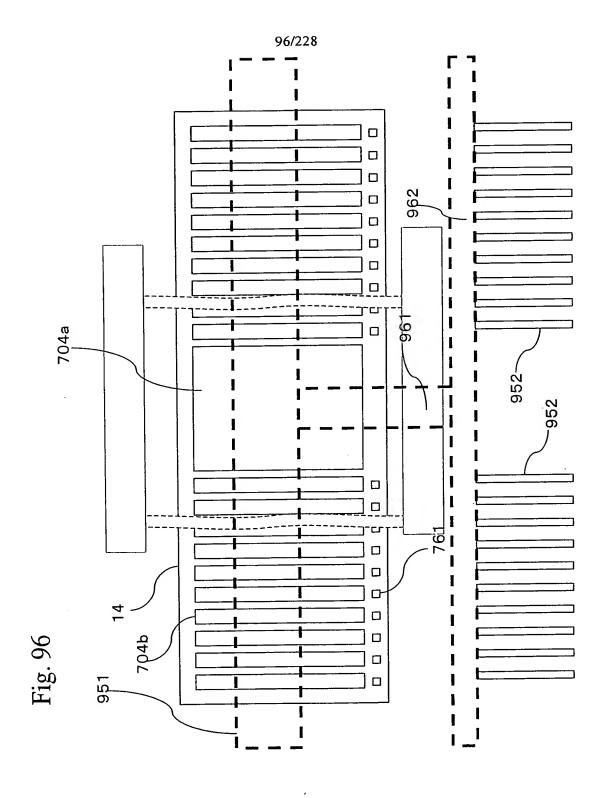
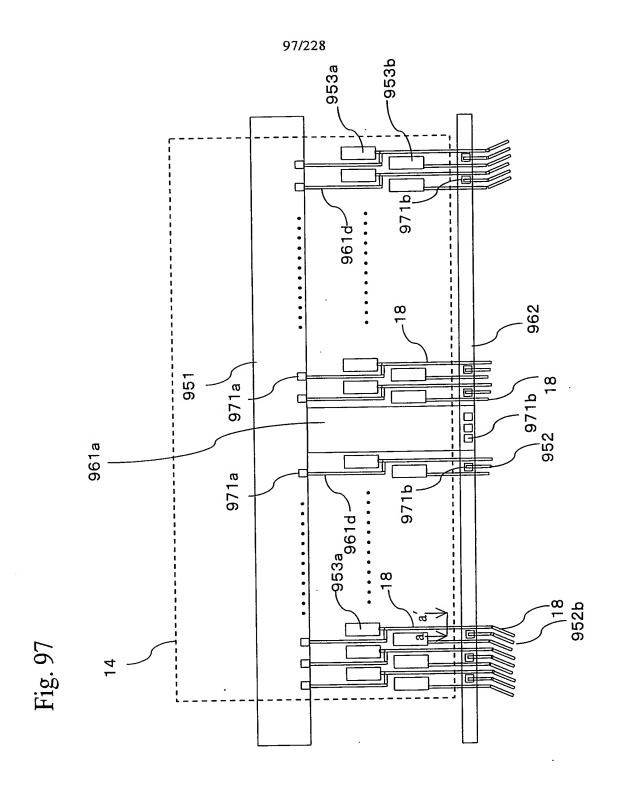


Fig. 94

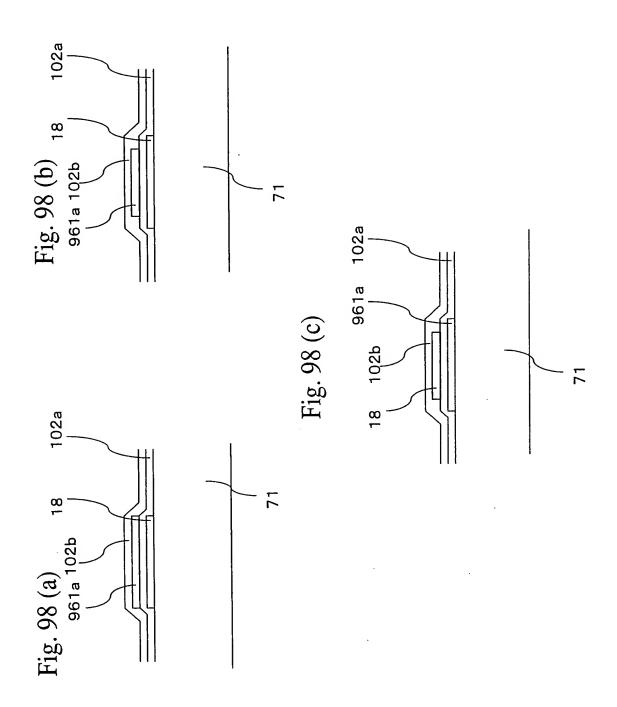
95/228



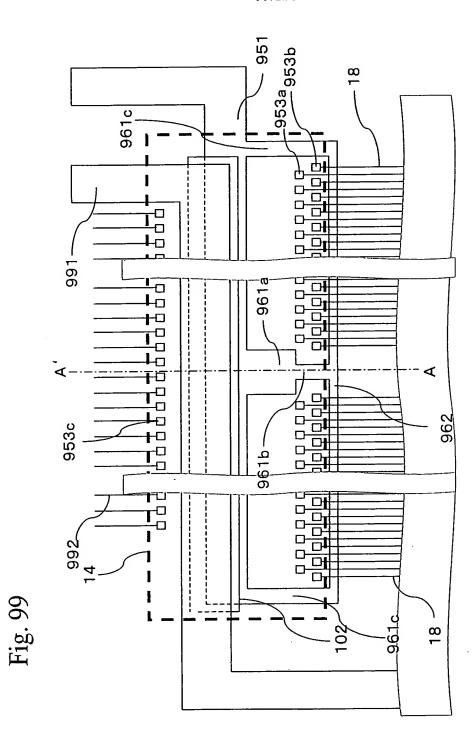




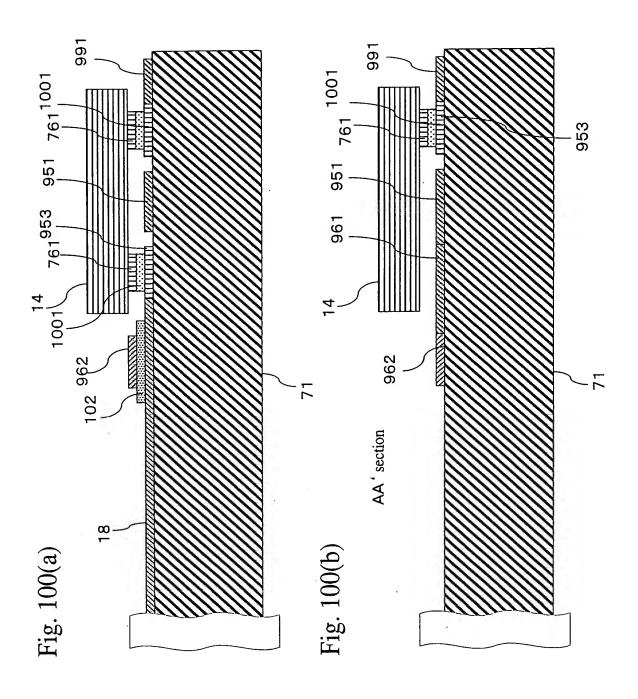
98/228



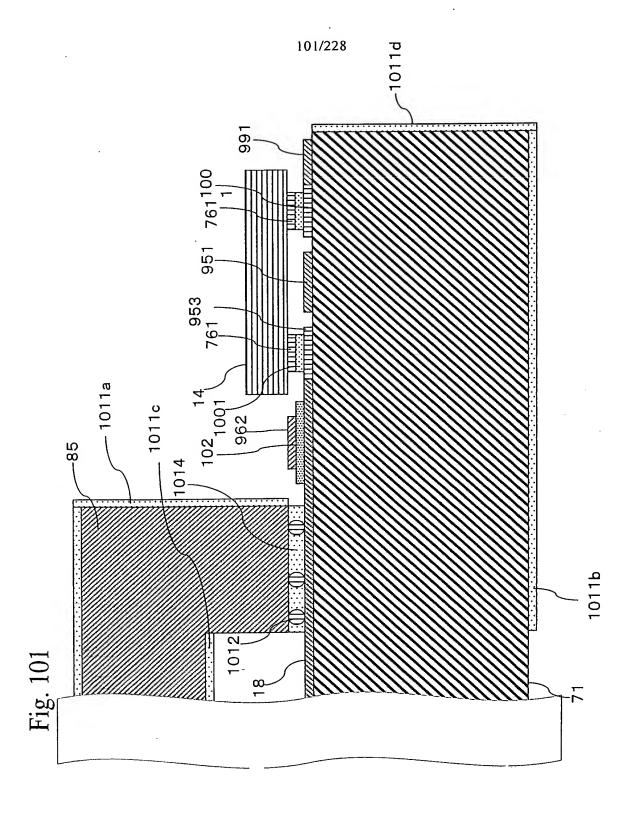
99/228



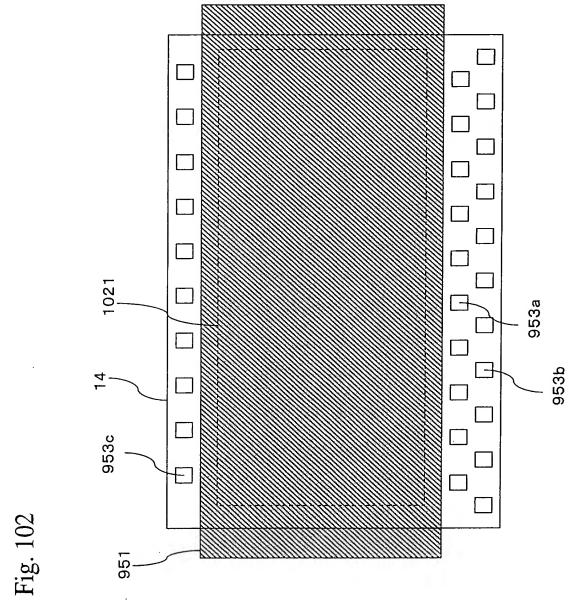
100/228

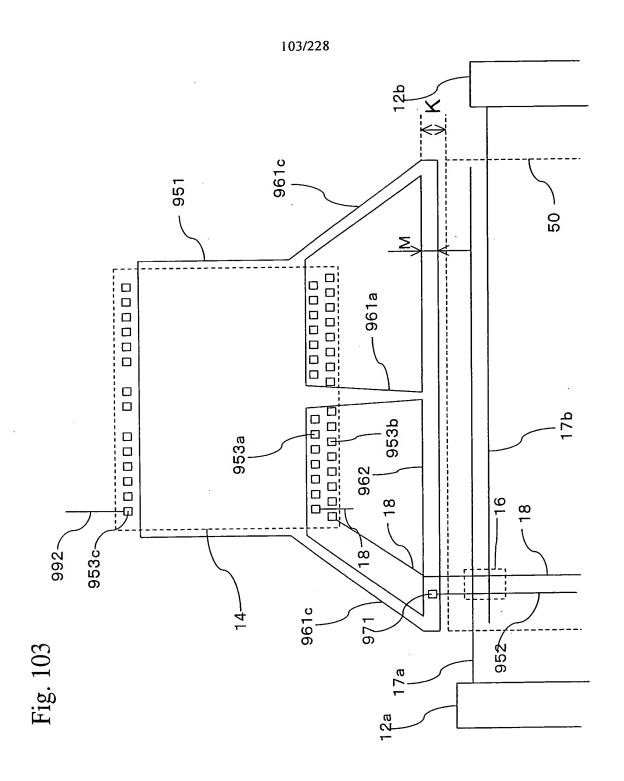


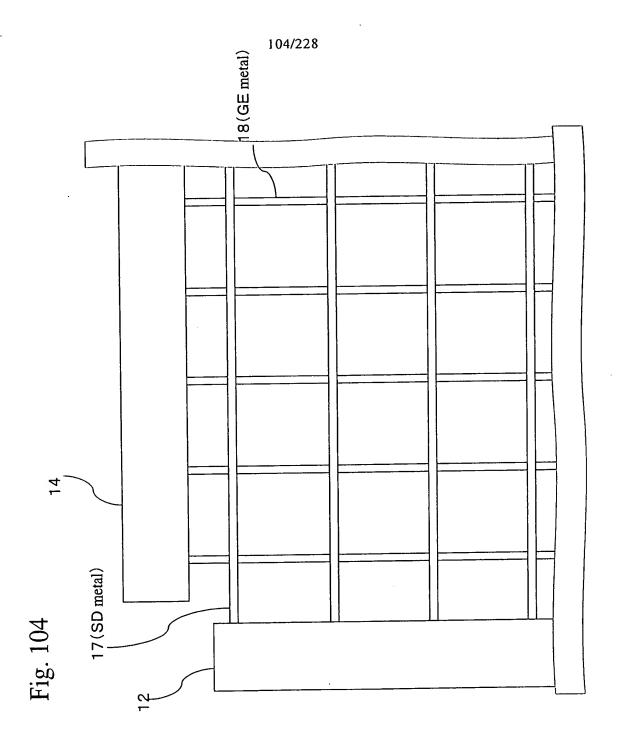




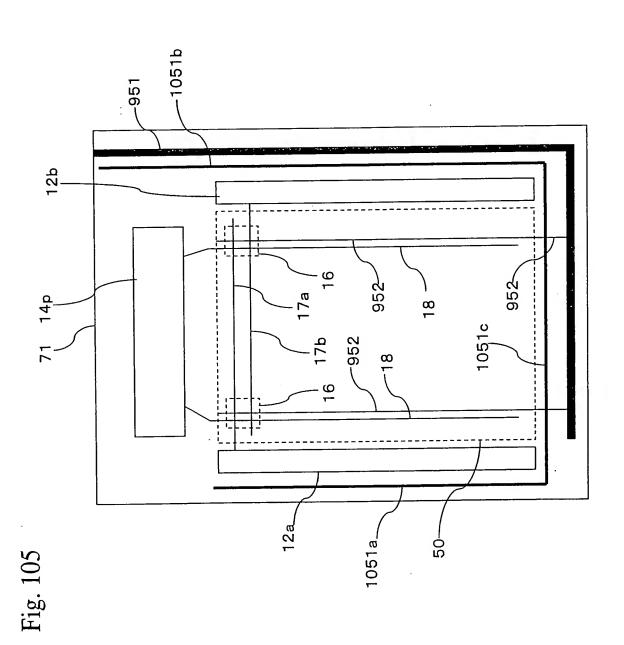
102/228



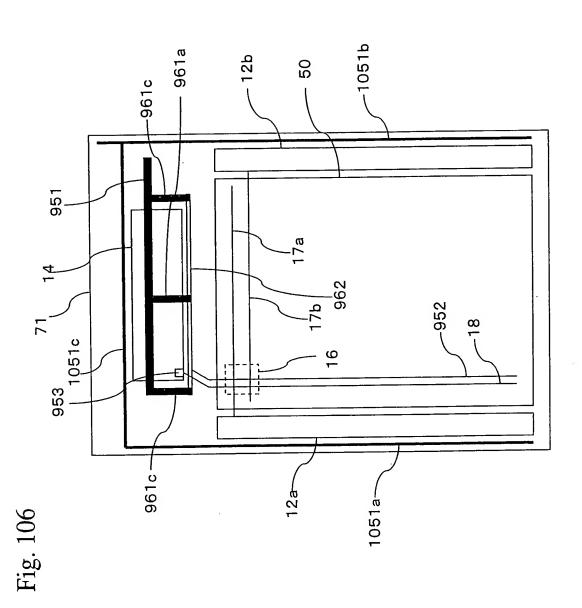




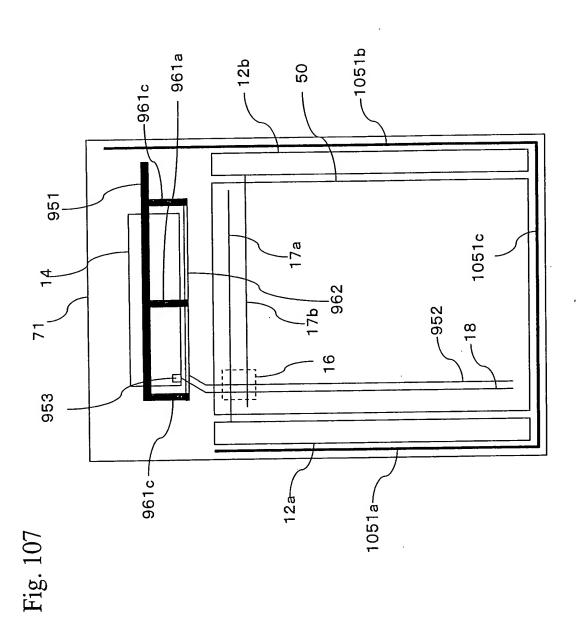
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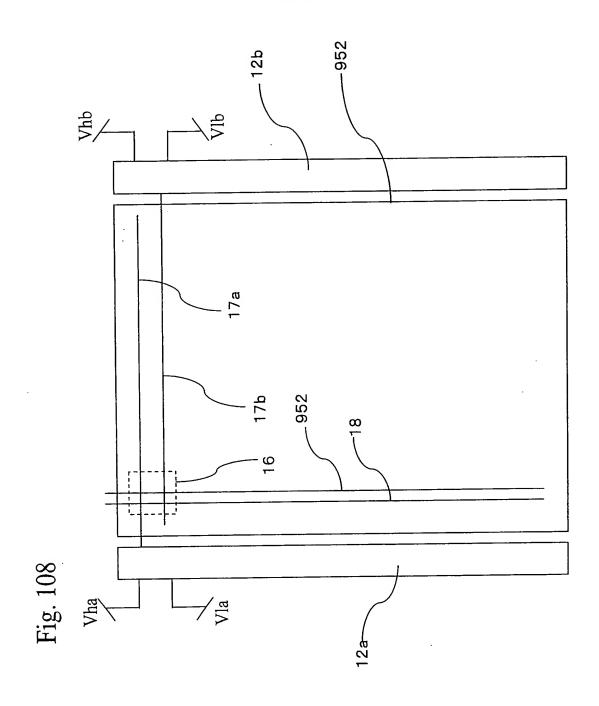


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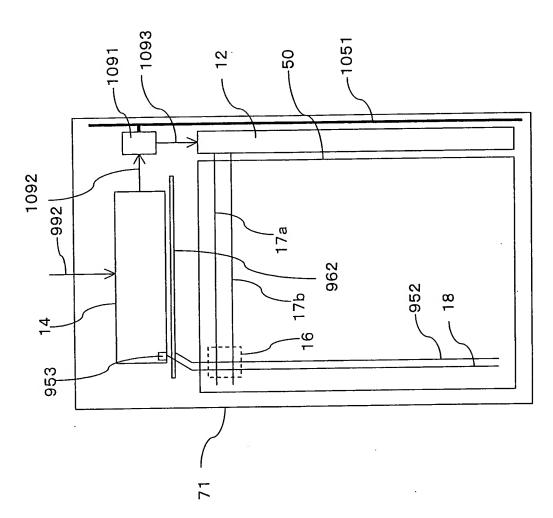
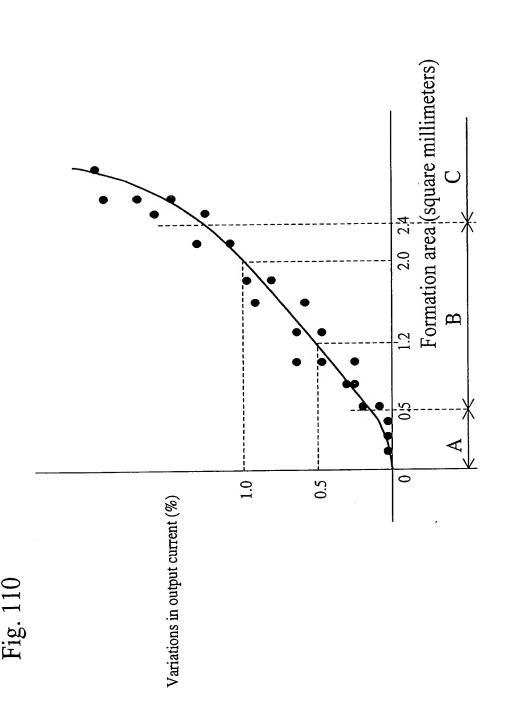


Fig. 109

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OBLON ET AL (703) 413-3000 DOCKET # 260595 (75 SHEET) | OF 228

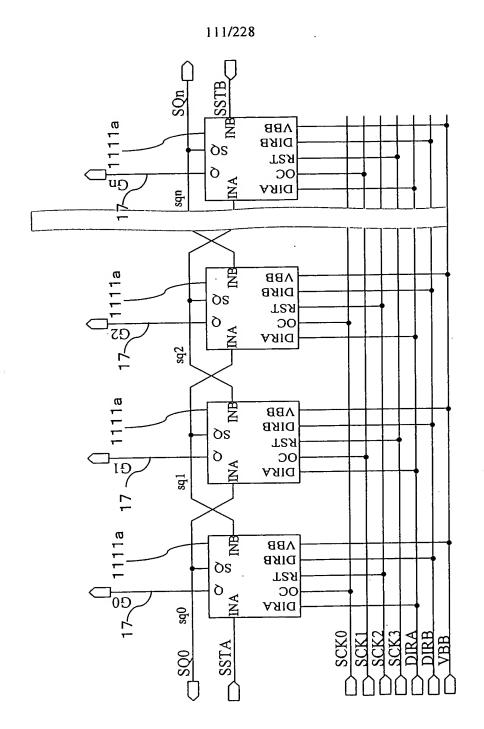


Fig. 111

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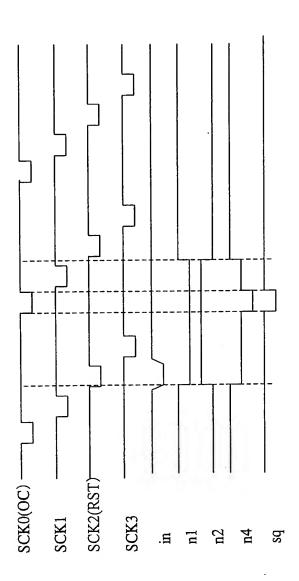


Fig. 112

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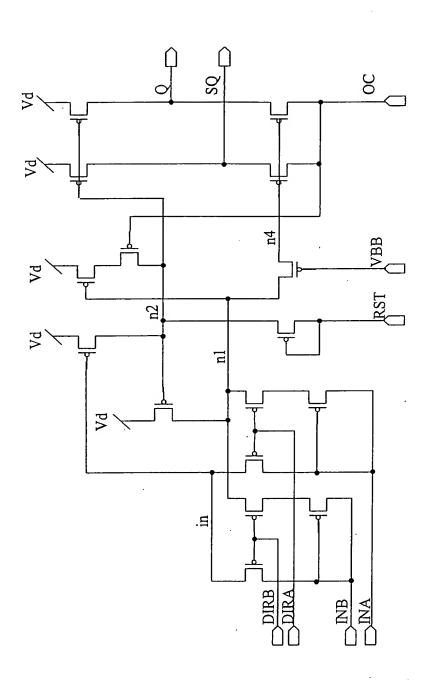
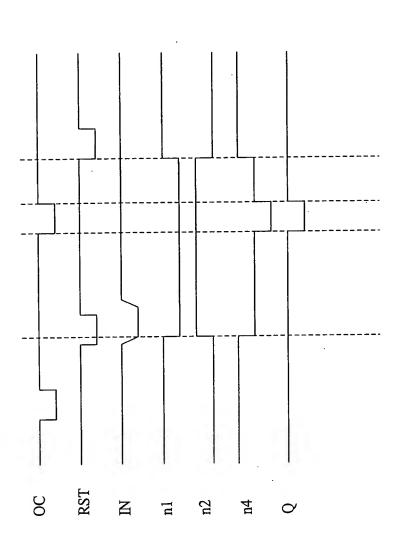
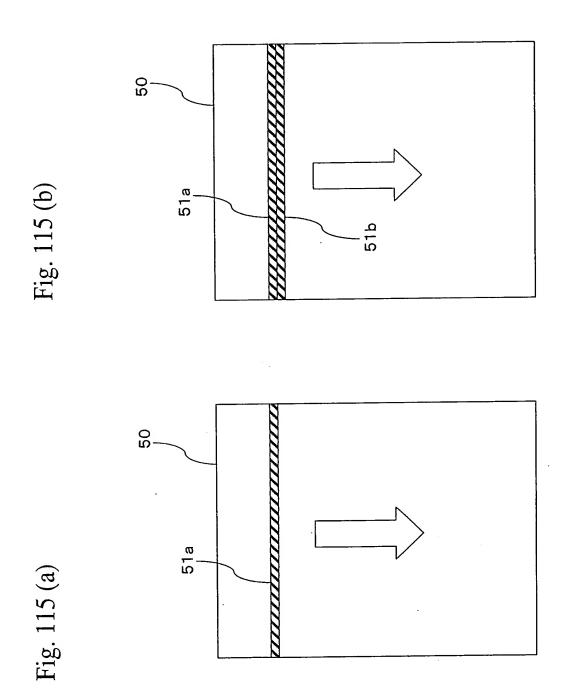


Fig. 113

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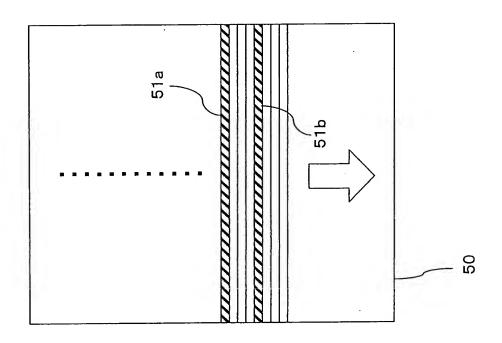


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OBLON ET AL (703) 413-3000 DOCKET # 16059915 SHEET 1160F228

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Unit-transistor size WL (square µm)

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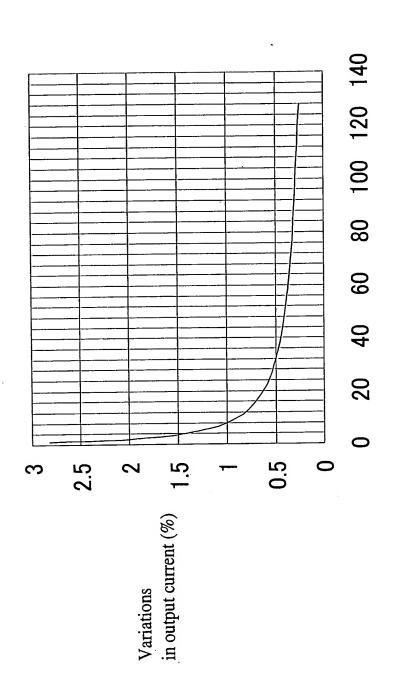
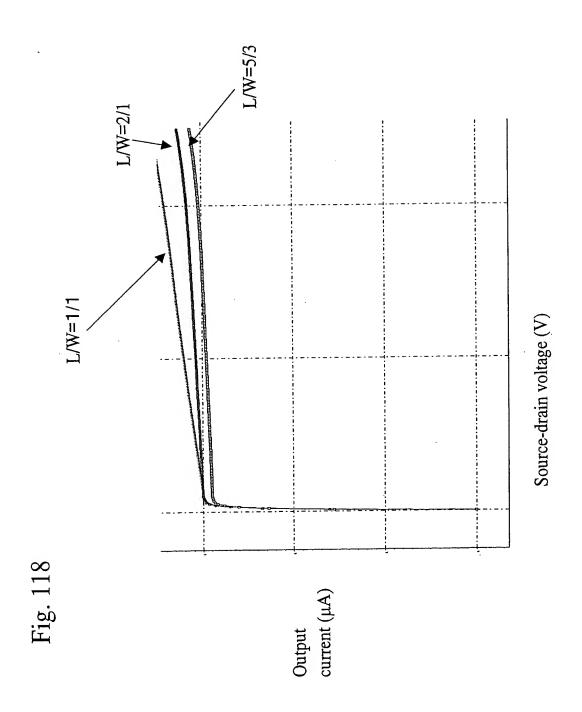


Fig. 11

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OBLON ET AL (703) 413-3000 DOCKET # 160 5 9 5 05 SHEET 1190 F 228

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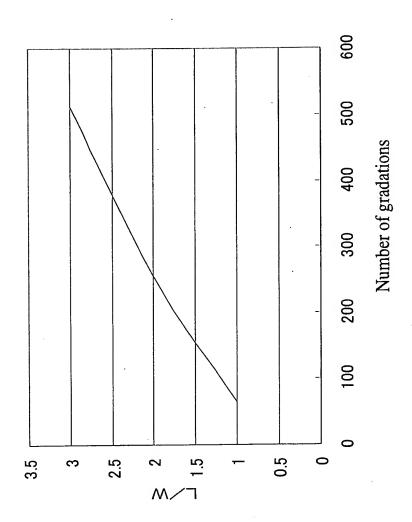
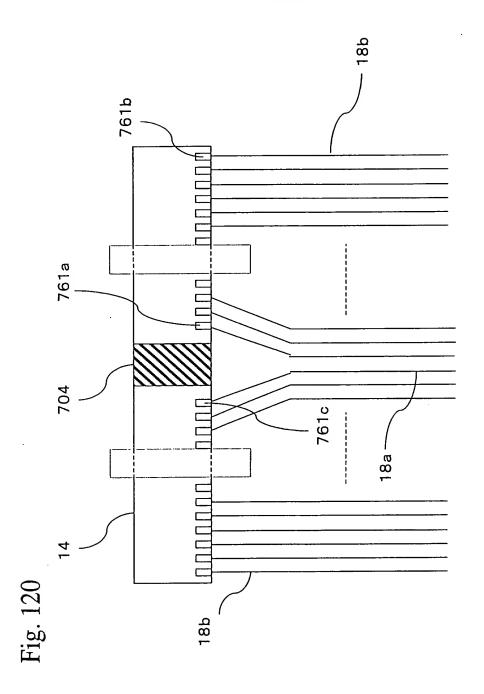


Fig. 119

OBLON ET AL (703) 413-3000 DOCKET # 120595US SHEET 1200F 228

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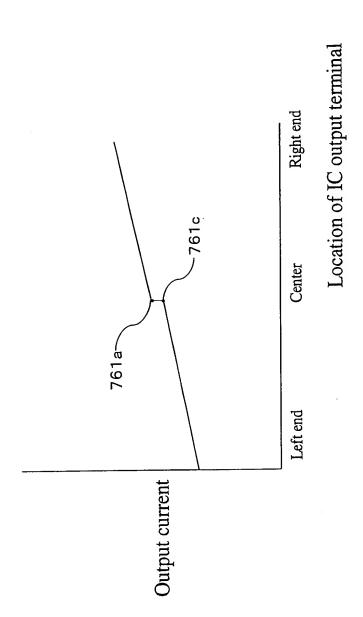
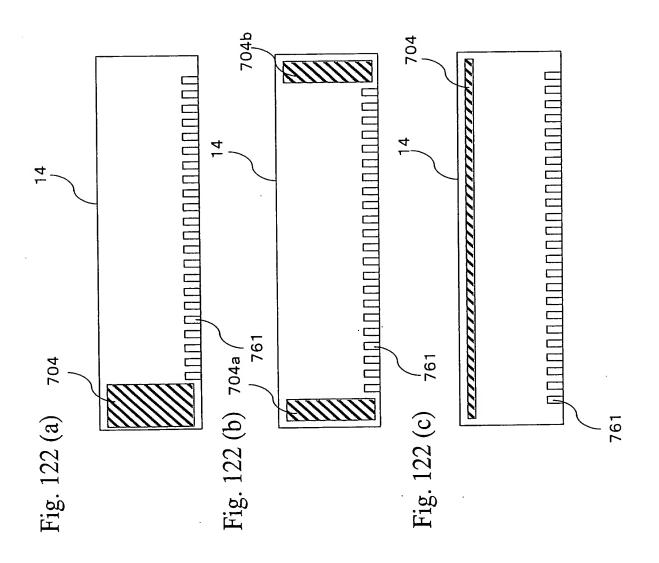


Fig. 12

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04 ON ET AL (703) 413-3000 # 1605950\SHEET 1230F 228

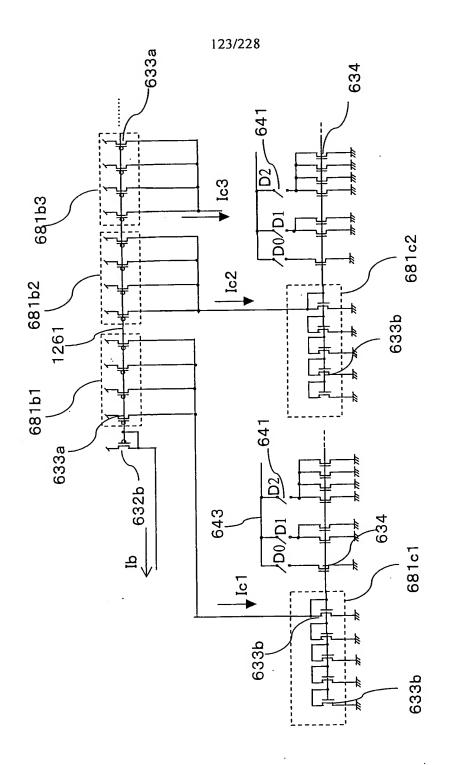
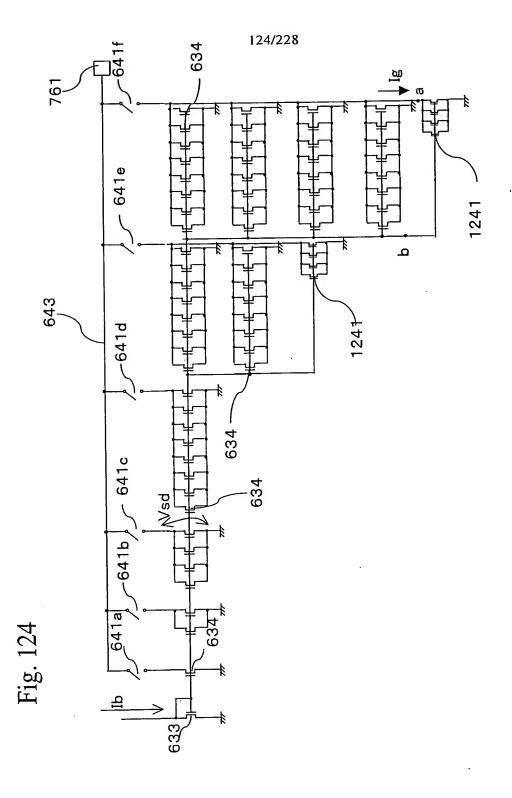
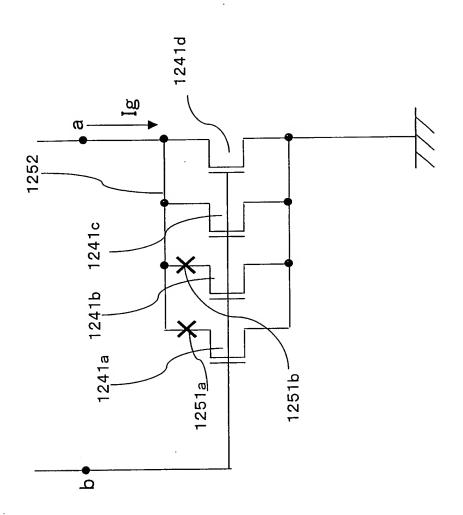
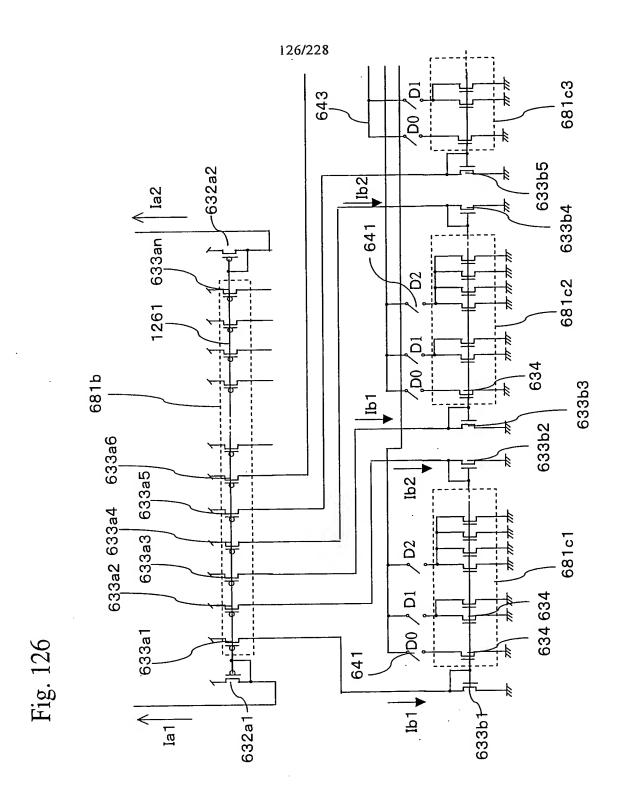


Fig. 123



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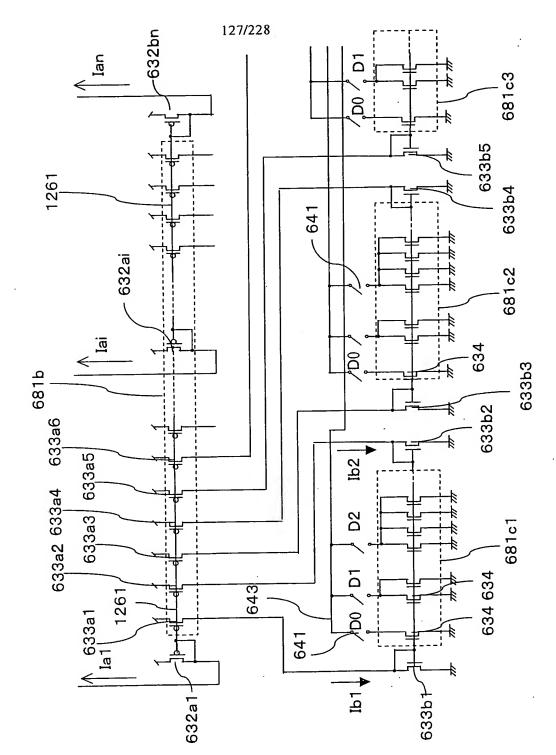
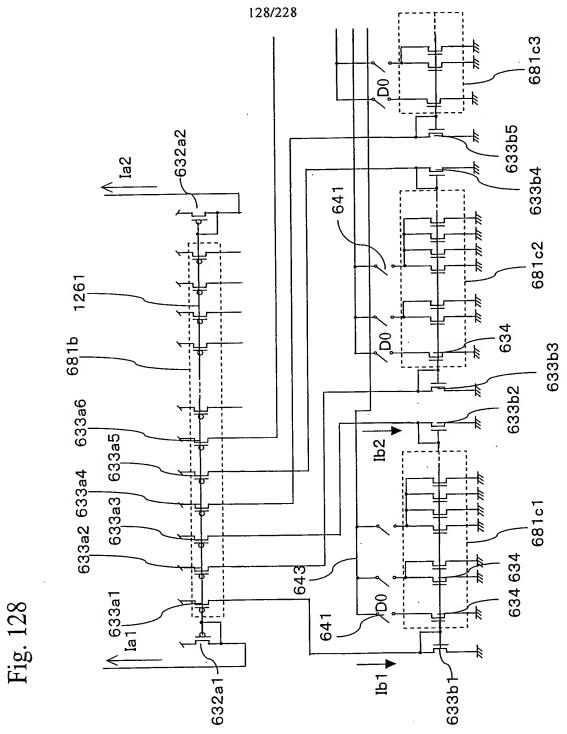


Fig. 127

OBLÔN ET AL (703) 413-3000 DOCKET # 26059505 SHEET 128 F 228



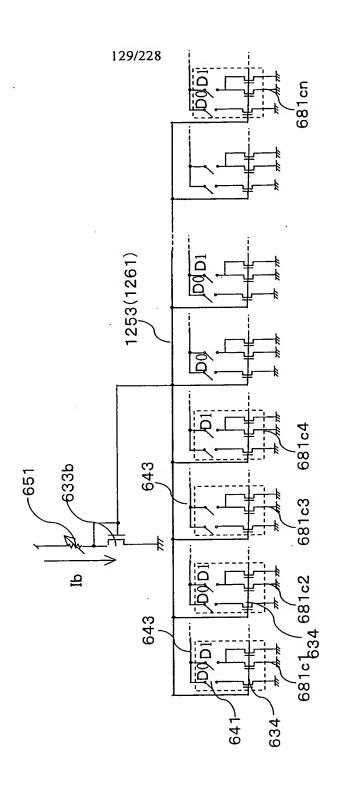
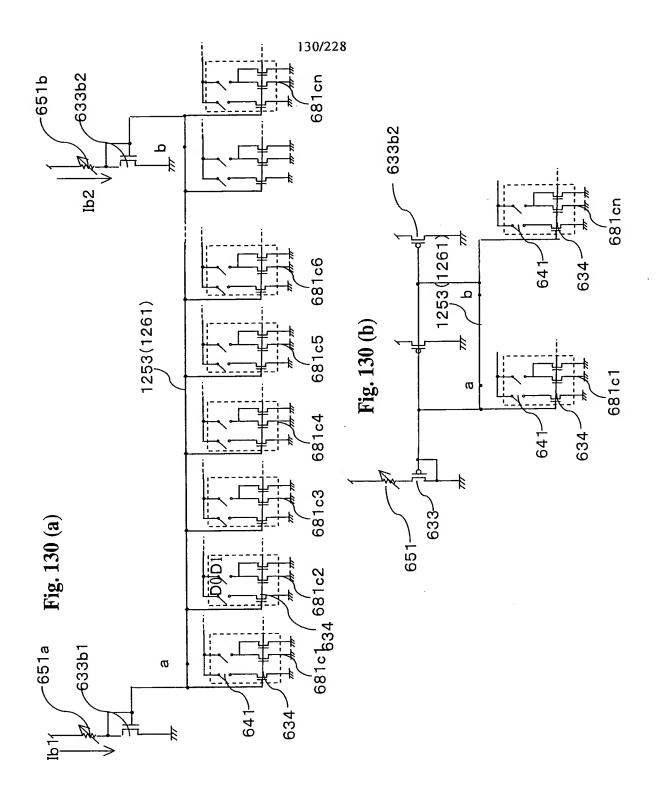
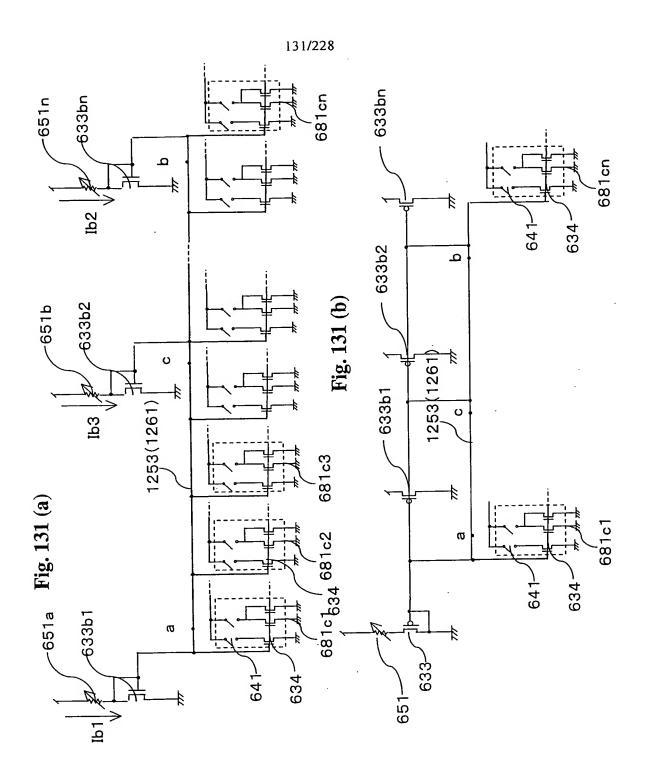


Fig. 129

OBLON ET AL (703) 413-3000

DOCKET # 160595US SHEET 1300F 228





OBLON ET AL (703) 413-3000 DOCKET # 160 5 95 V SHEET (320F 22)8

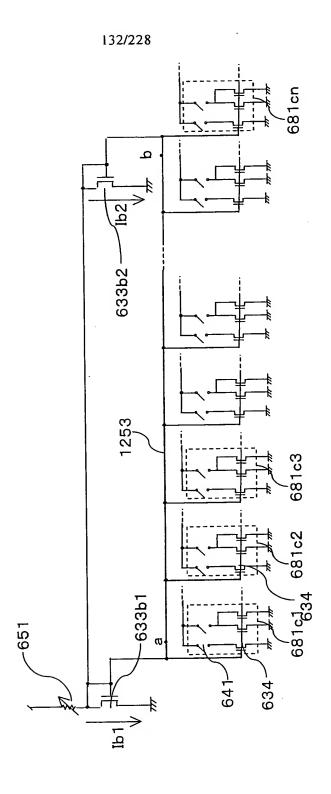


Fig. 132

OBLON ET AL (703) 413-3000 DOCKET # 260545 US SHEET 1330F 228

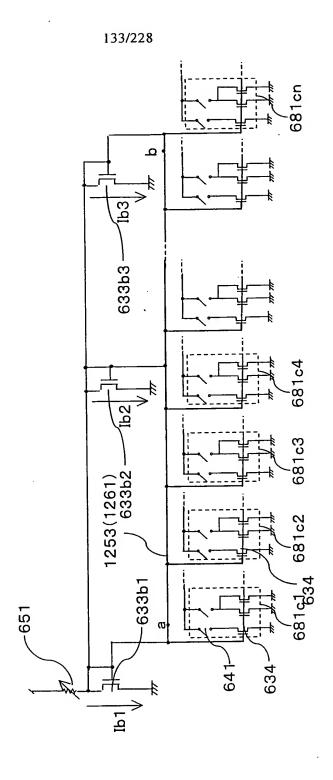


Fig. 133

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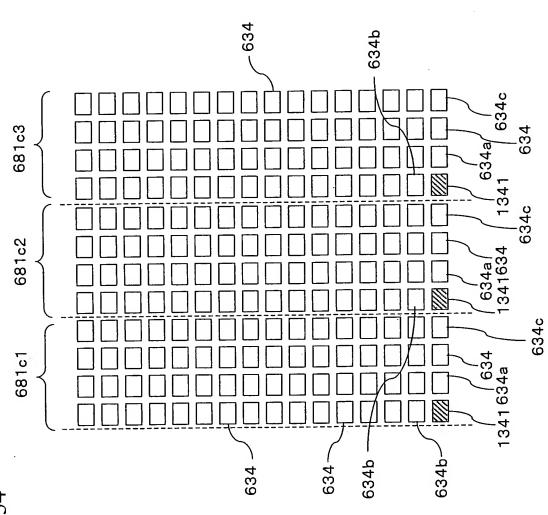
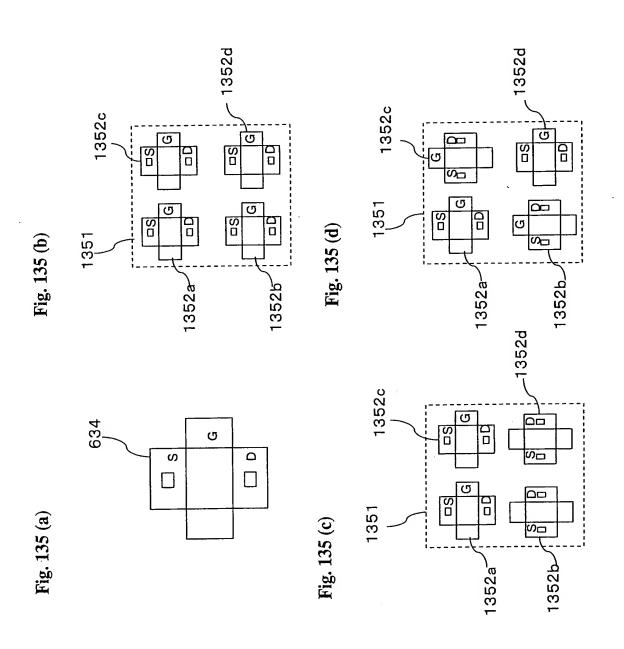
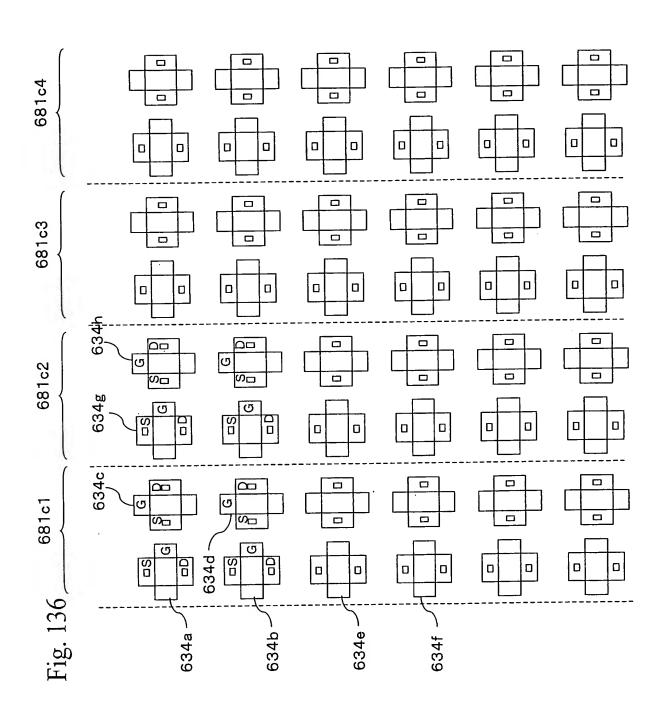


Fig. 134

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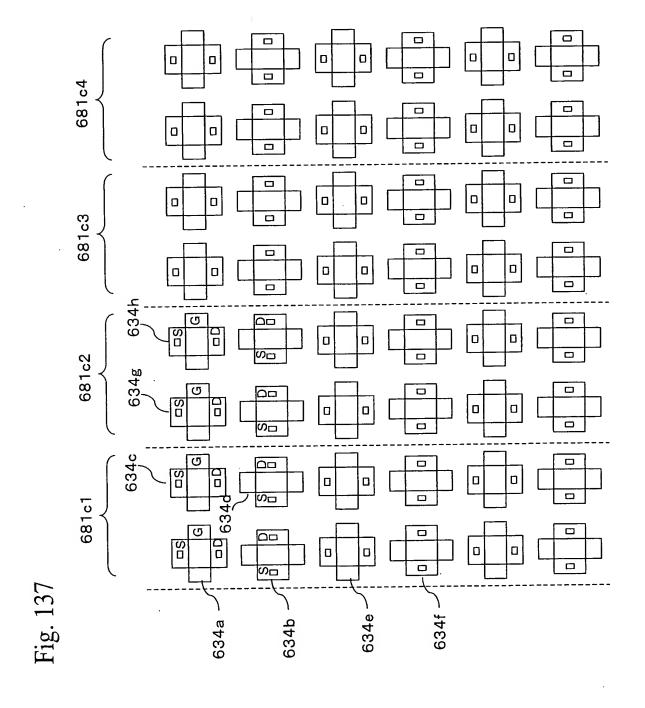
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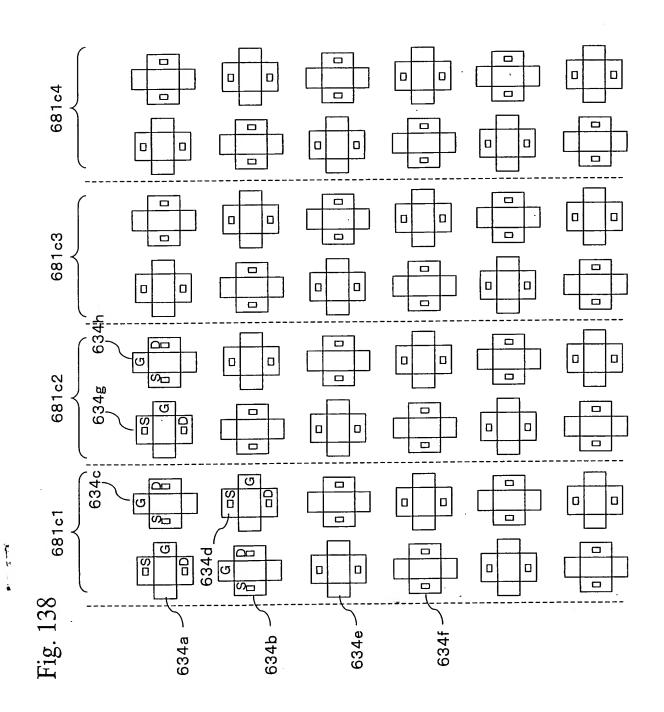
OBLON ET AL (703) 413-3000 DOCKET # 1605950 SHEET 1370F 228

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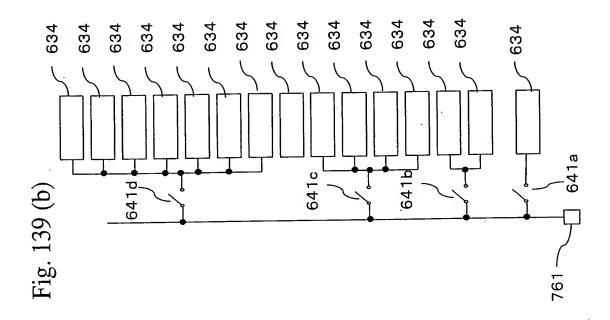
. .•

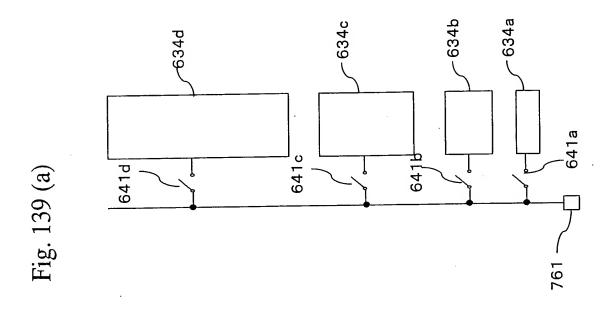


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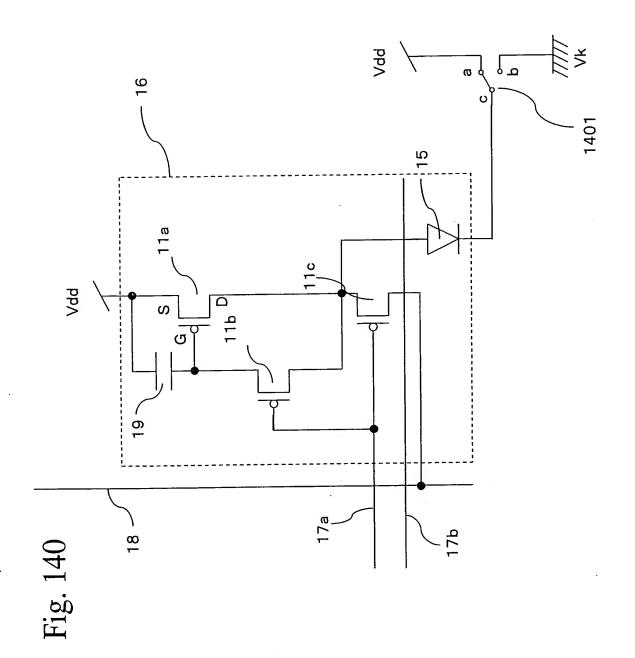


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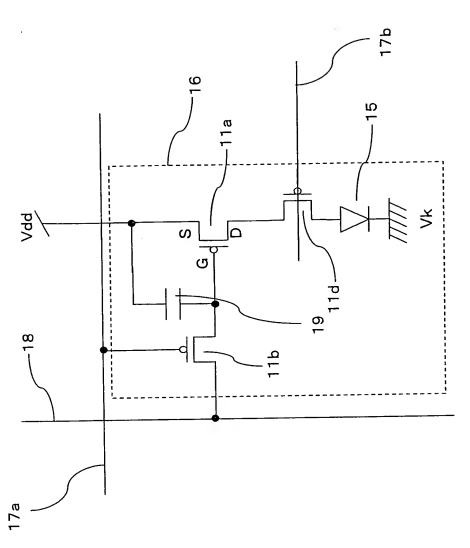


Fig. 141

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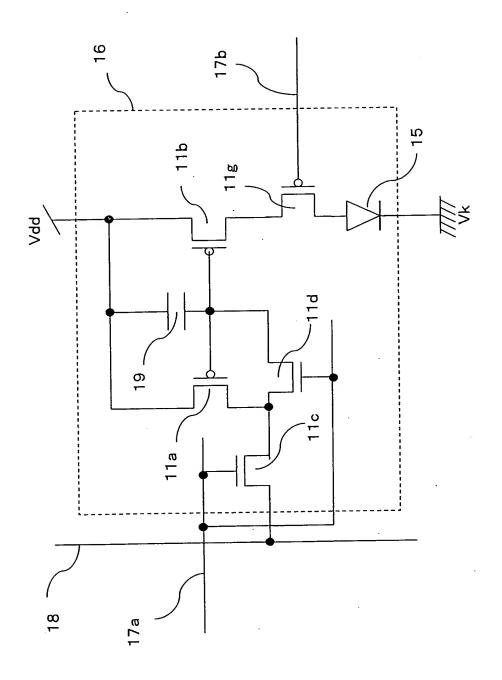
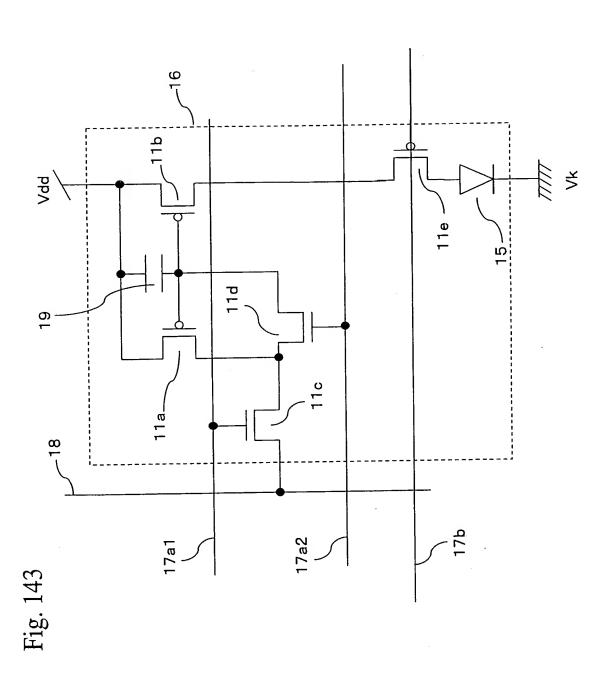


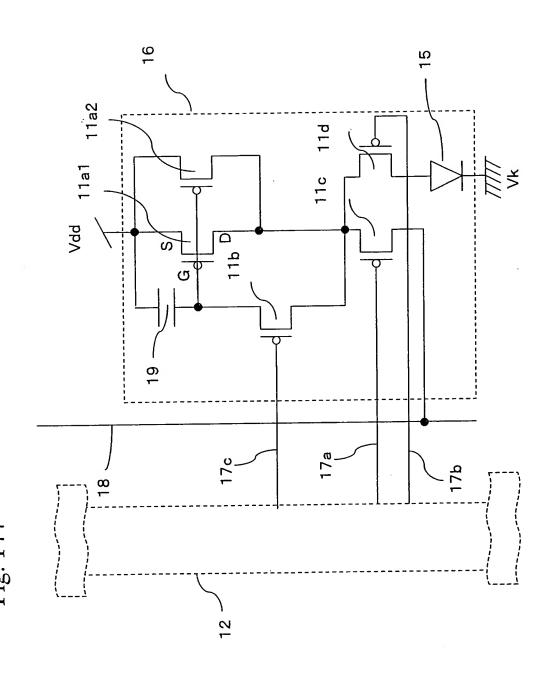
Fig. 142

OBLON ET AL (703) 413-3000 DOCKET # 16059505 SHEET 430F 228

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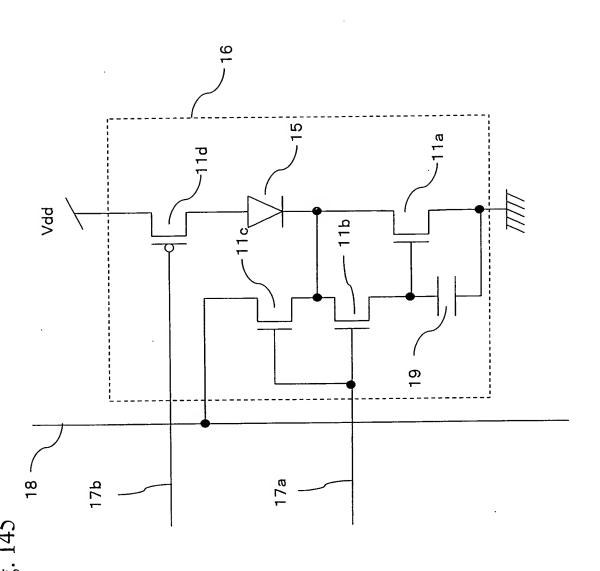


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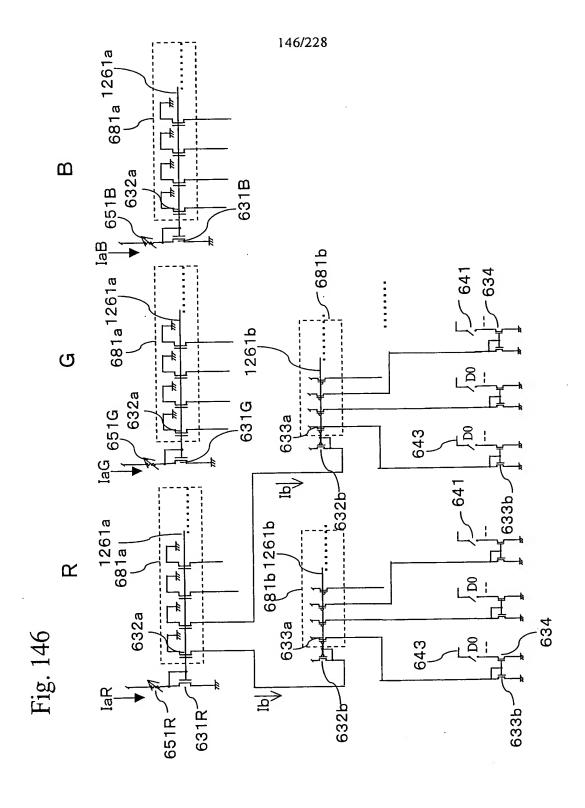


OBLON ET AL (703) 413-3000 DOCKET # 160595USHEET 1450F 228

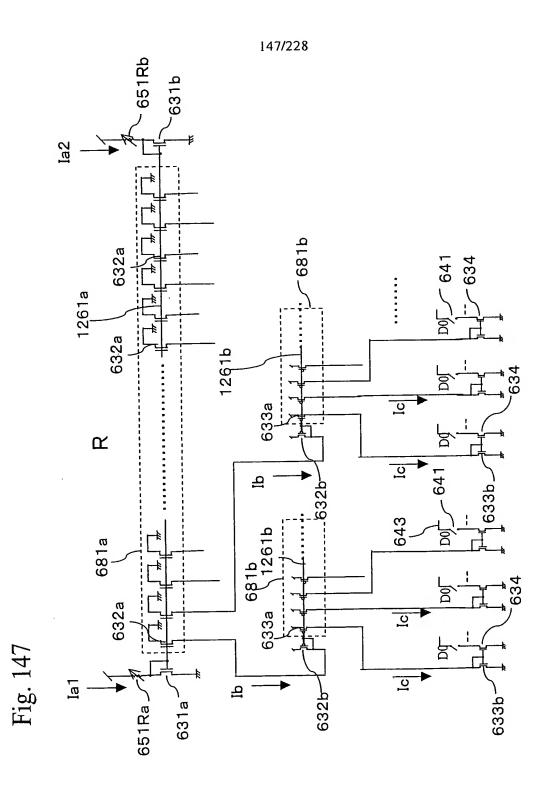
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OBLON ET AL (703) 413-3000 DOCKET # 260545V-SHEET 1460F 228



OBLON ET AL (703) 413-3000 DOCKET # 160 595 V SHEET 14 OF 228



OBLON ET AL (703) 413-3000 DOCKET # 260545 US SHEET (480F 2)8

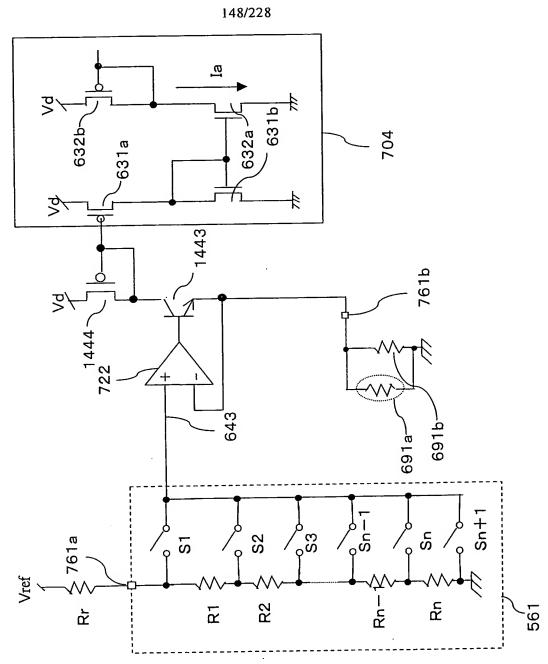
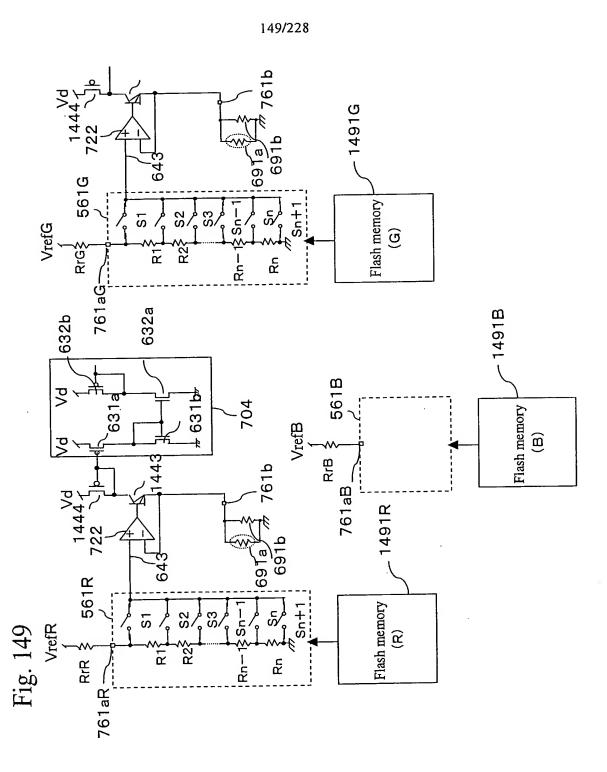
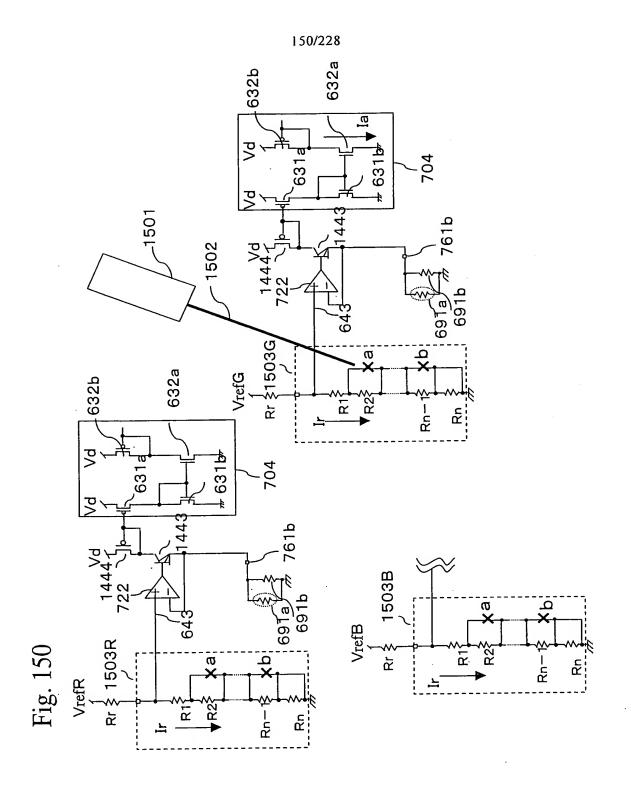


Fig. 148



OBLON ET AL (703) 413-3000 DOCKET # 260 595V SHEET (STOF 228



OBLON ET AL (703) 413-3000 DOCKET # <u>160595058HEET |50612</u>8

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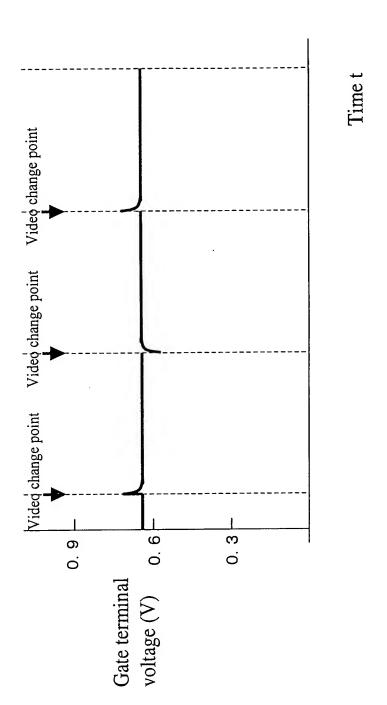


Fig. 15

OBLON ET AL (703) 413-3000 DOCKET # 26059505 SHEET 5 20F 228

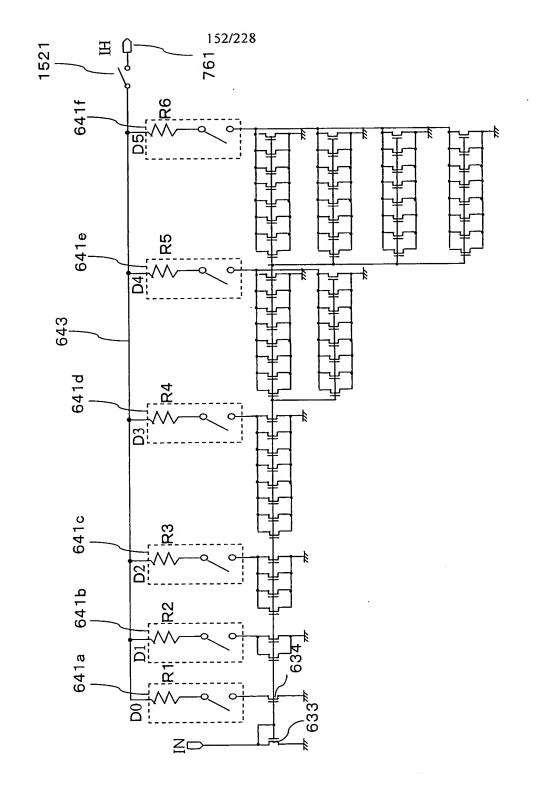


Fig. 152

OBLON ET AL (703) 413-3000 DOCKET # 26,0595 US SHEET 15 30F 222

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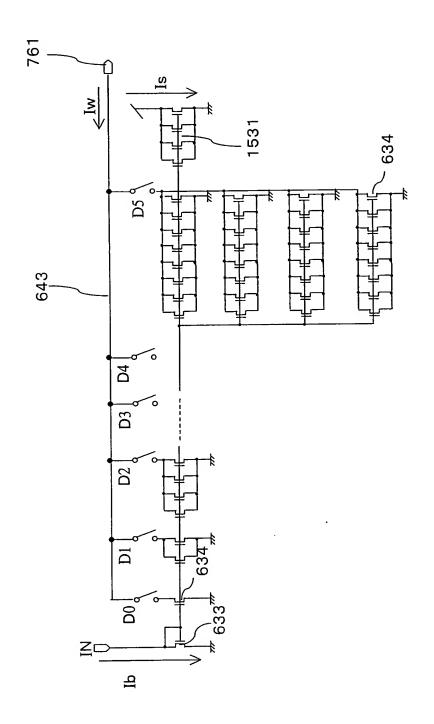
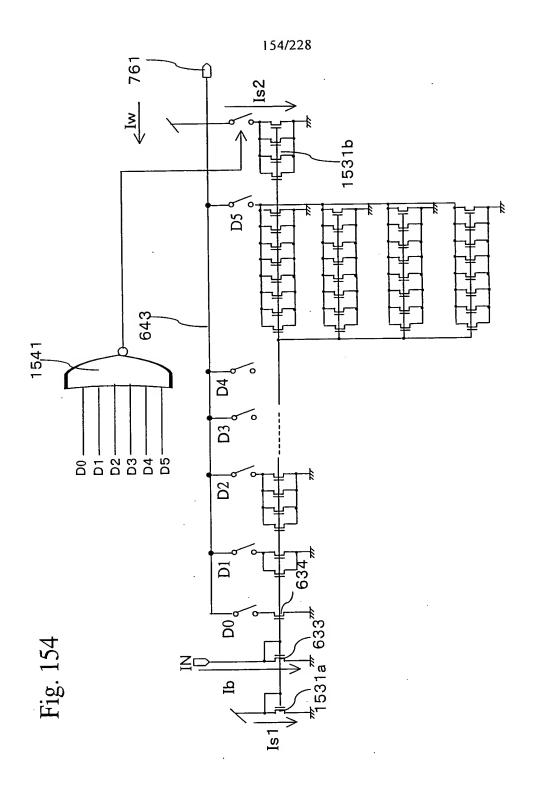


Fig. 153

OBLON ET AL (703) 413-3000

DOCKET #260 595US SHEET (5 VOF 228



OBLON ET AL (703) 413-3000 DOCKET # 260595 USSHEET 5 50F 228

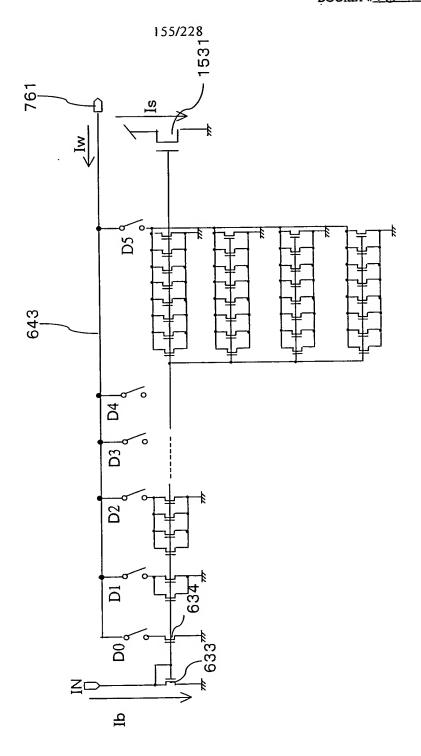


Fig. 155

OBLON ET AL (703) 413-3000 DOCKET # 260595056HEET 156F 228

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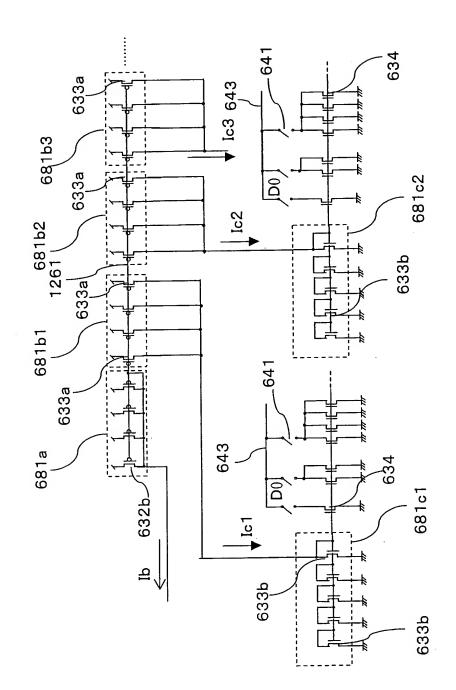
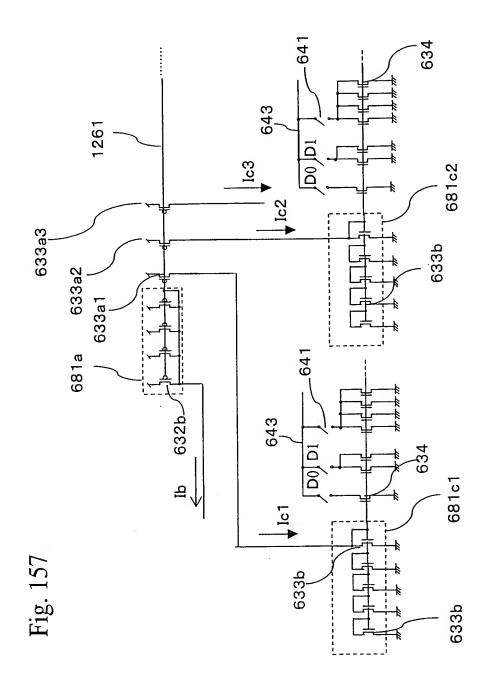


Fig. 156

OBLON ET AL (703) 413-3000 DOCKET # 260595USHEET (5) OF 228

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OBLON ET AL (703) 413-3000 DOCKET # <u>160595V SHEET 158</u>0F <u>128</u>

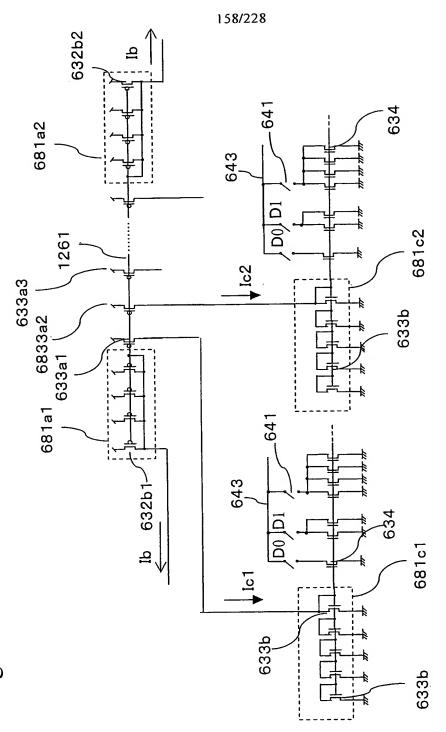
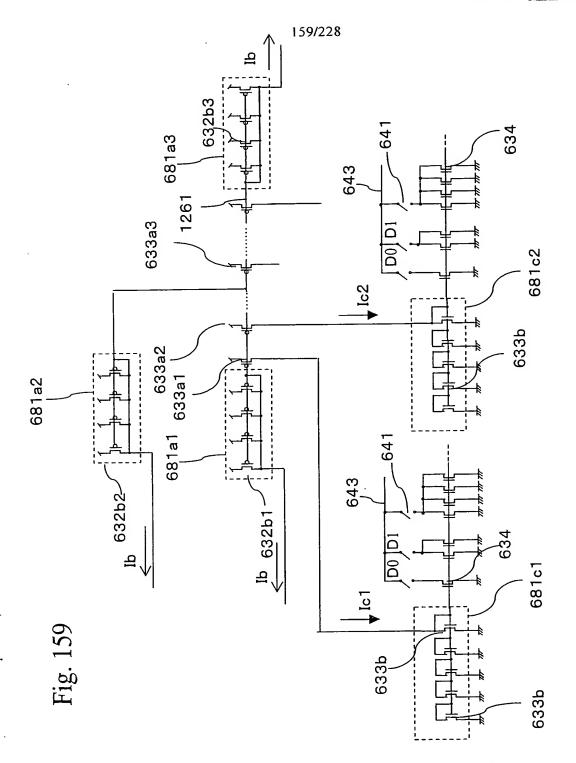


Fig. 158

OBLON ET AL (703) 413-3000

DOCKET # 16059505 SHEET 1590F 2.2 &



OBLON ET AL (703) 413-3000 DOCKET # 160 5950 SHEET 160F 228

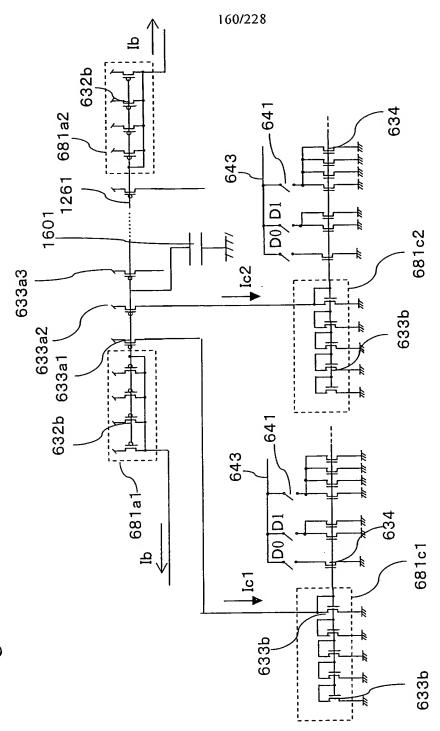
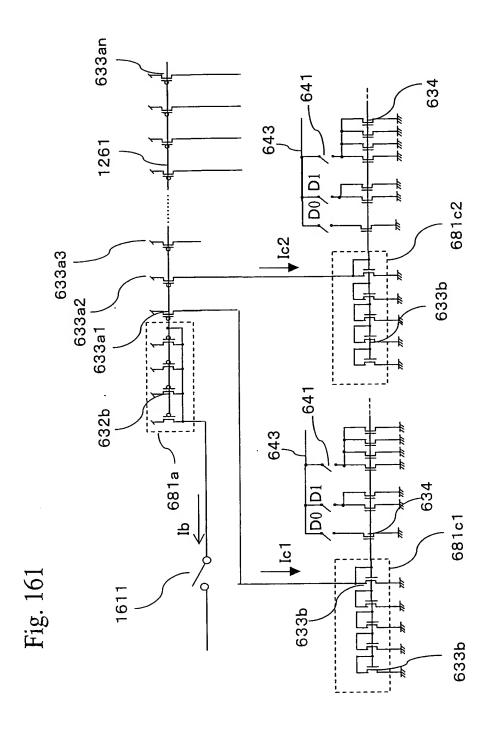


Fig. 160

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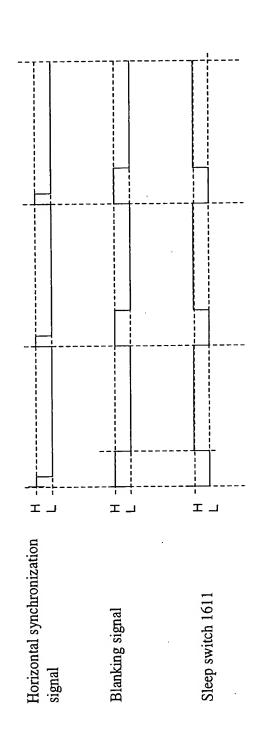
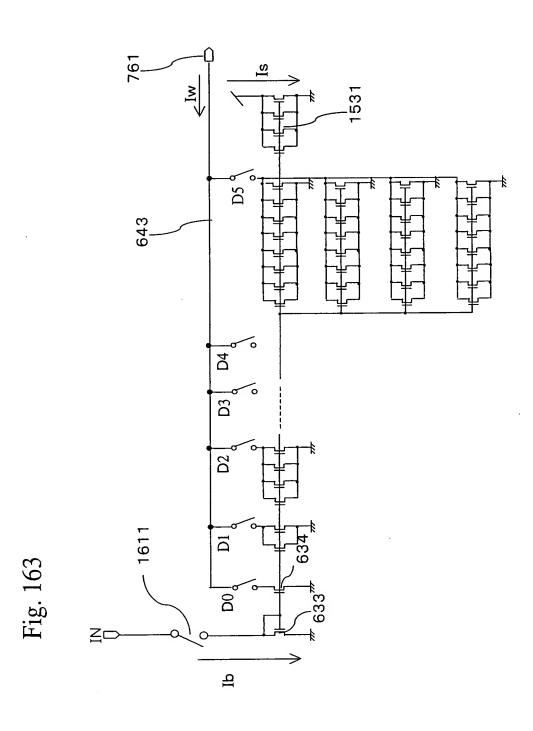


Fig. 162

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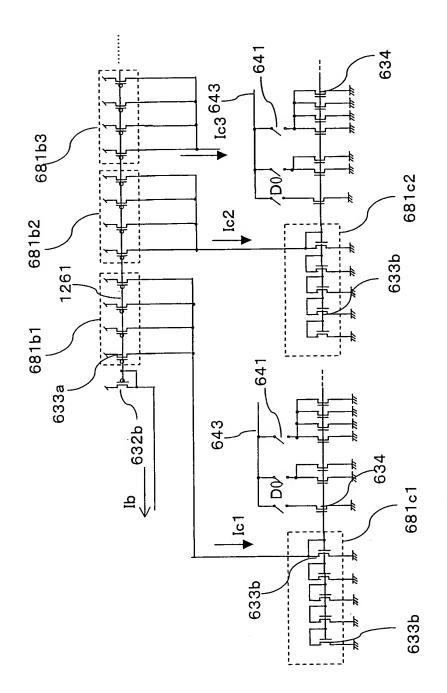
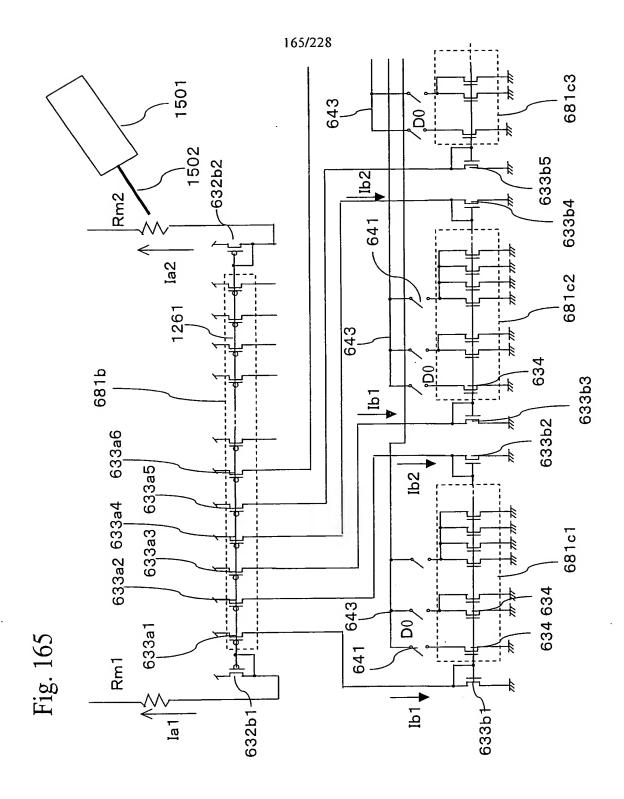
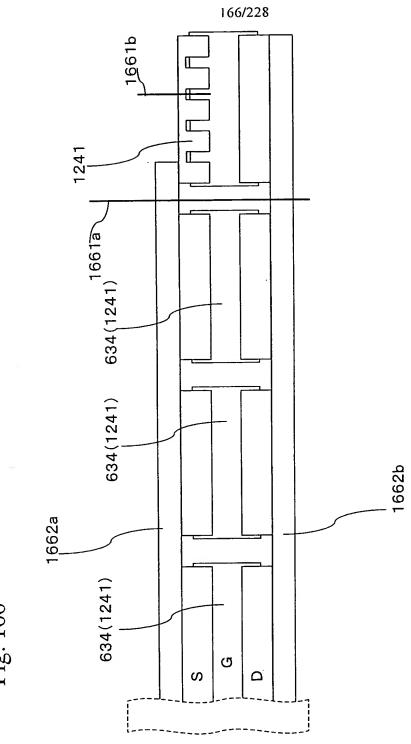


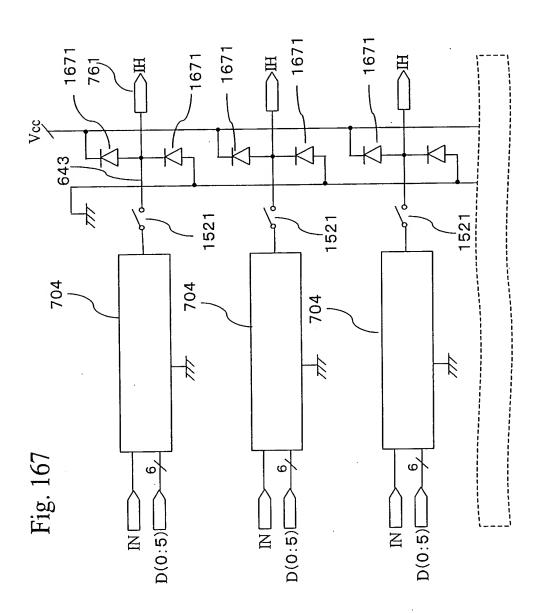
Fig. 164





ig. 166

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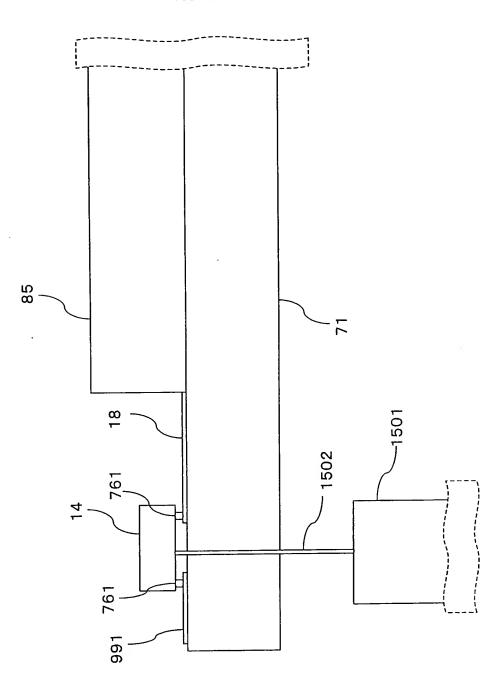
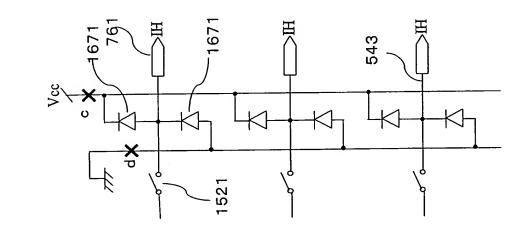
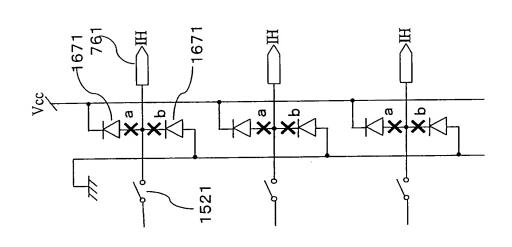


Fig. 168

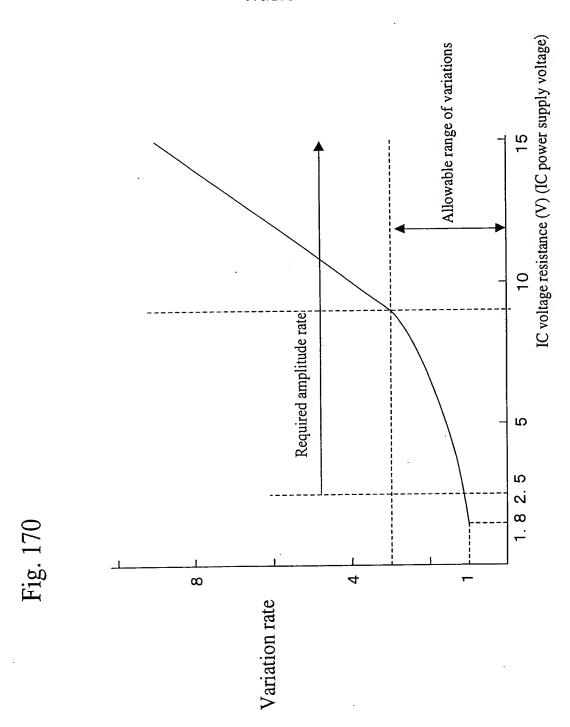
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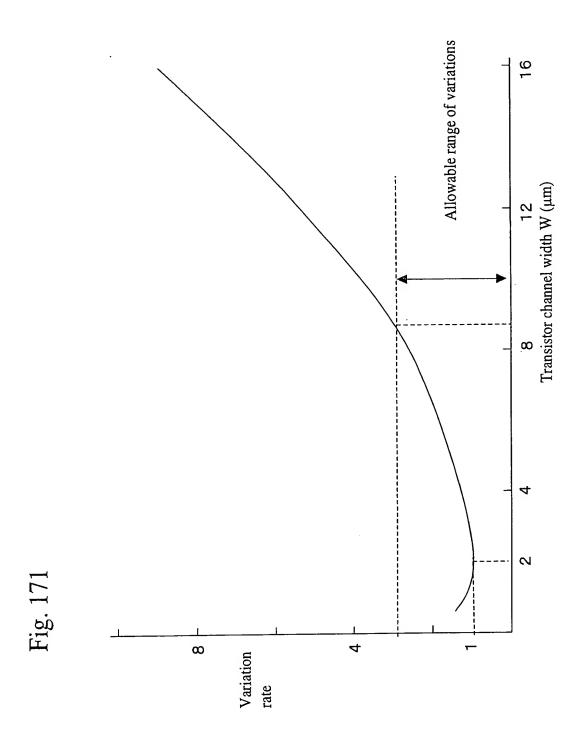


ig. 169 (a)

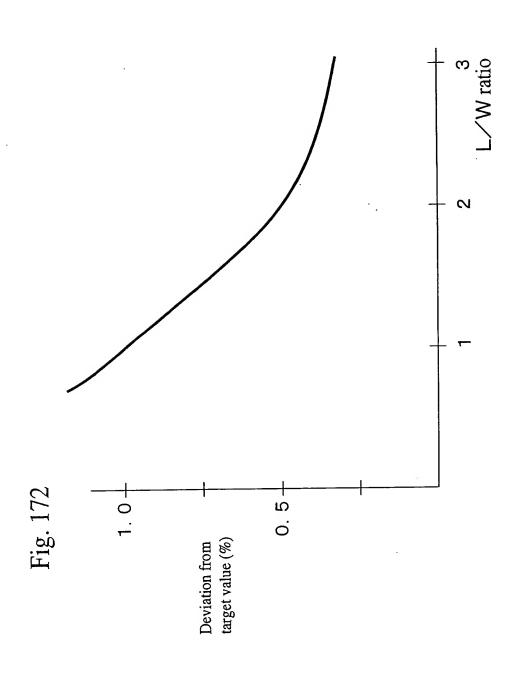
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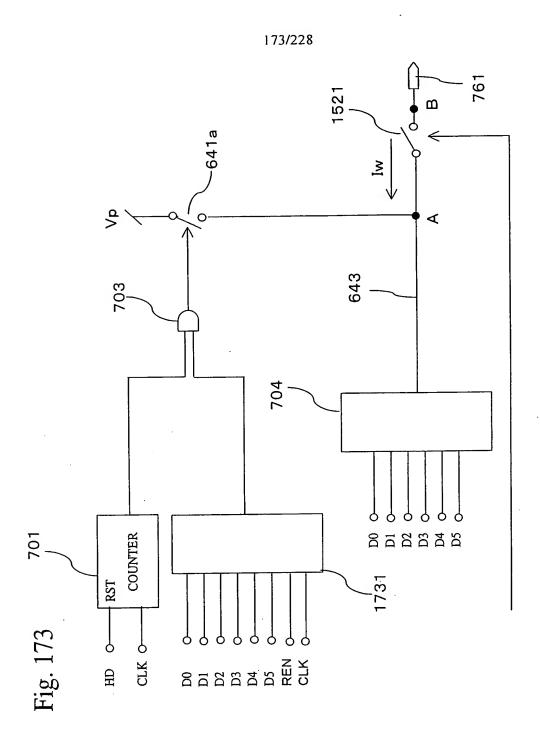


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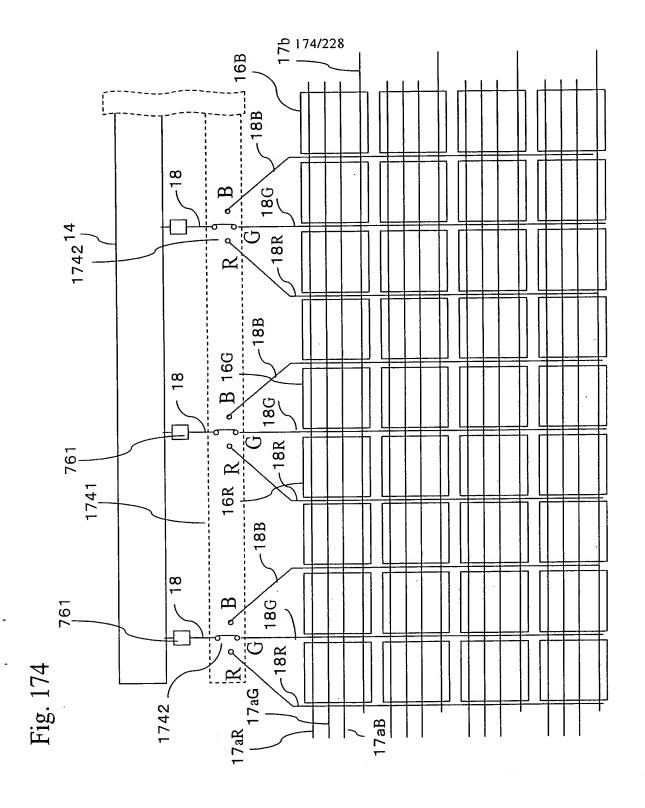


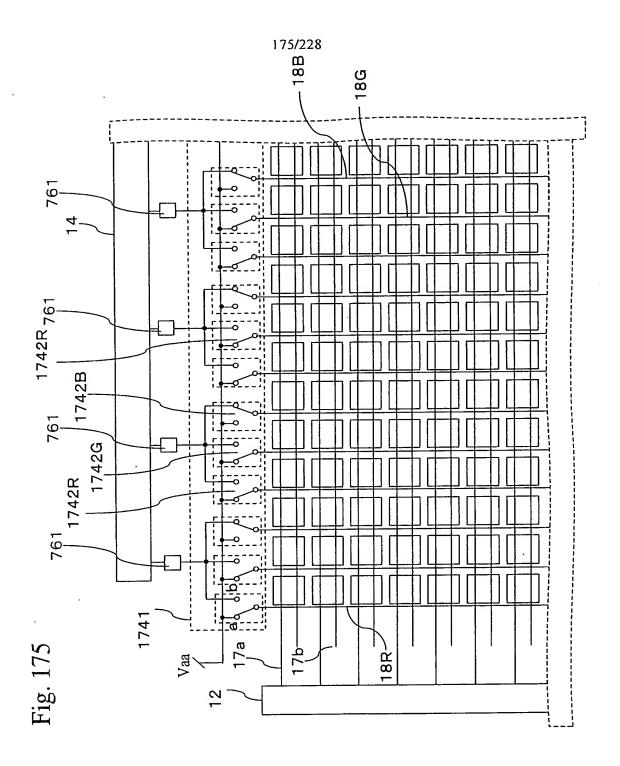
172/228

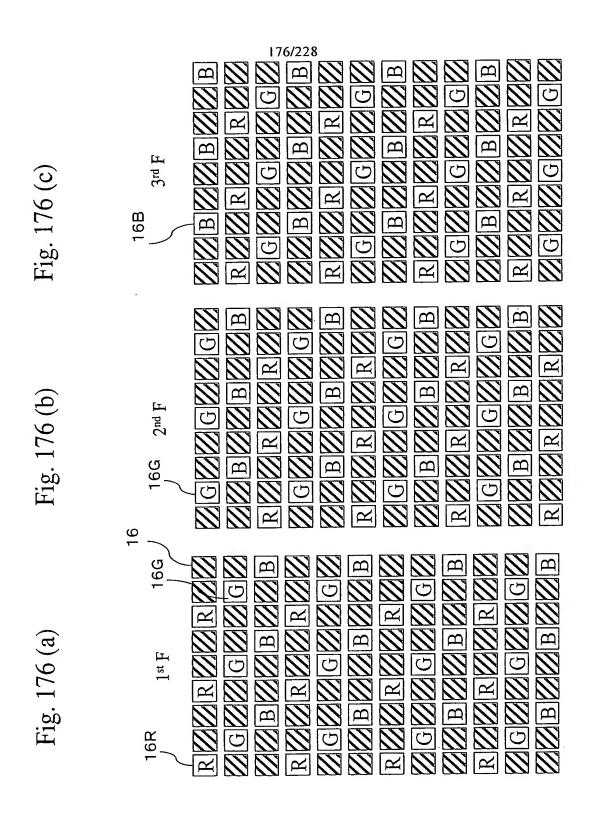




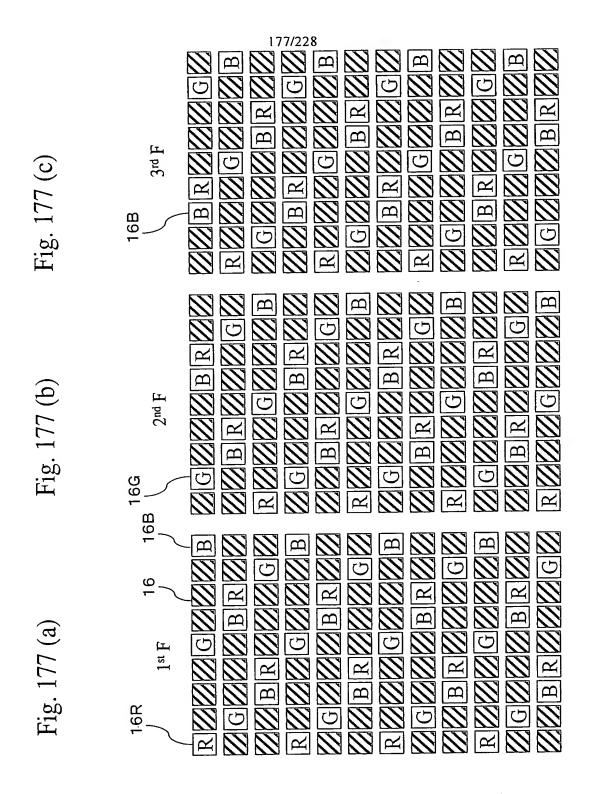
OBLON ET AL (703) 413-3000 POCKET # 760595US SHEET 17401 228



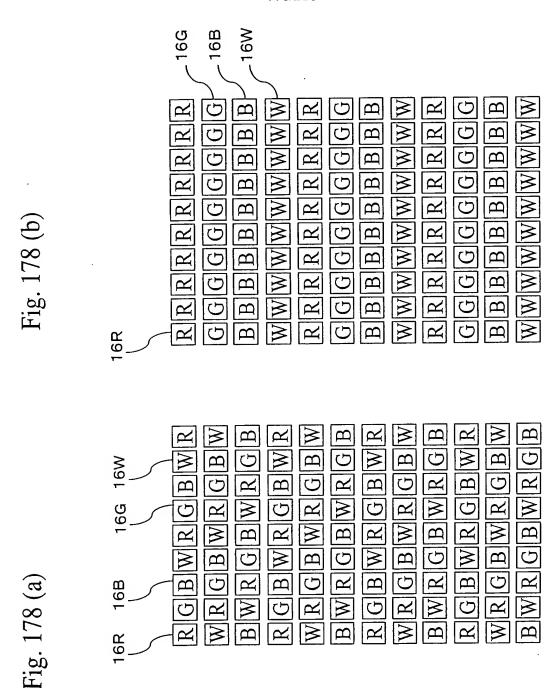




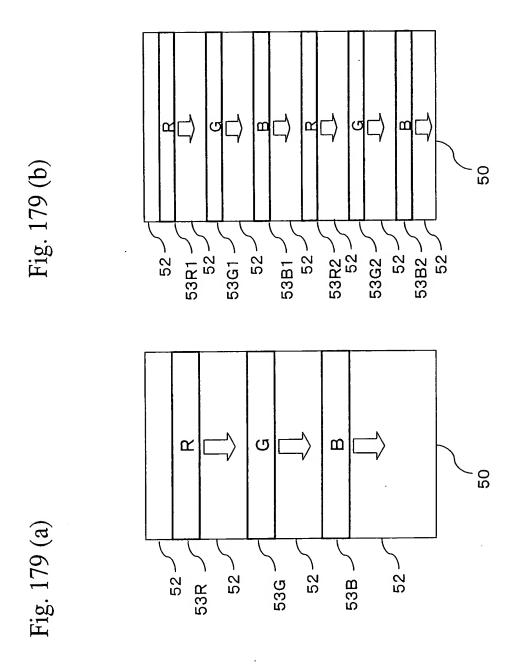
OBLON ET AL (703) 413-3000 DOCKET # 26059505SHEET 177 OF 228



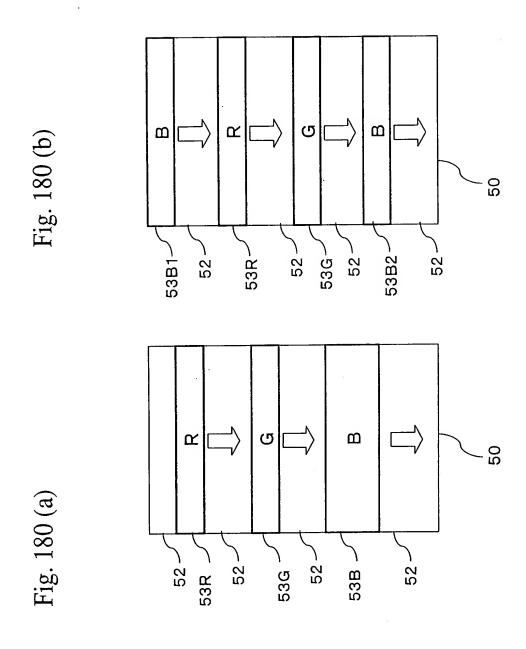


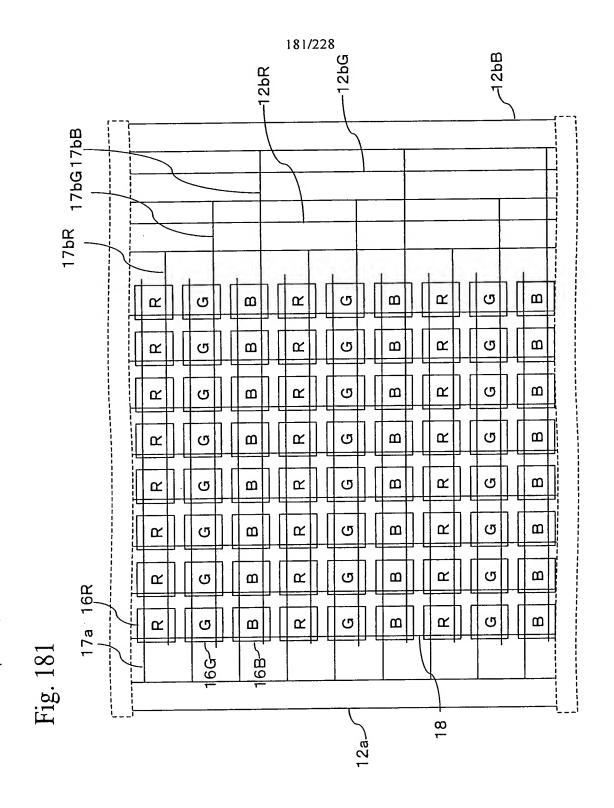


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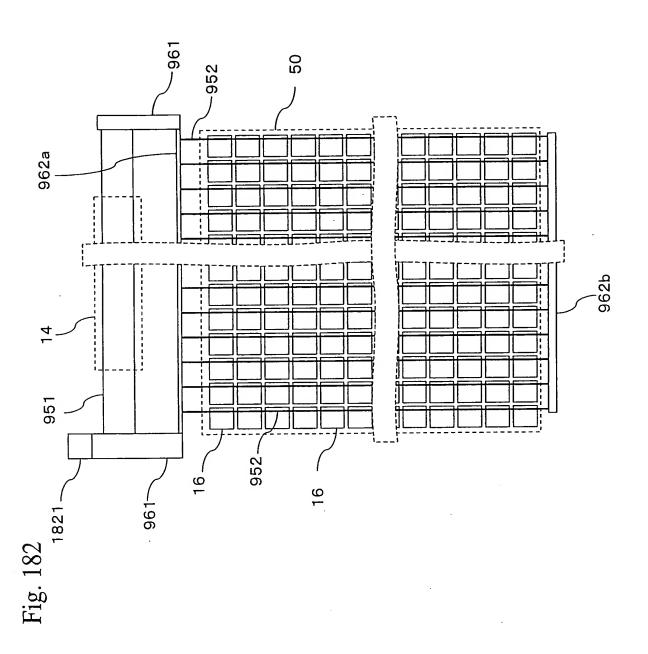


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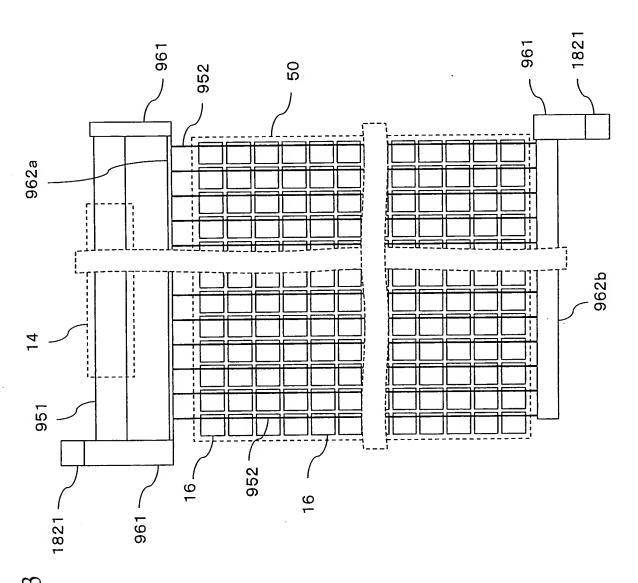


Fig. 18.

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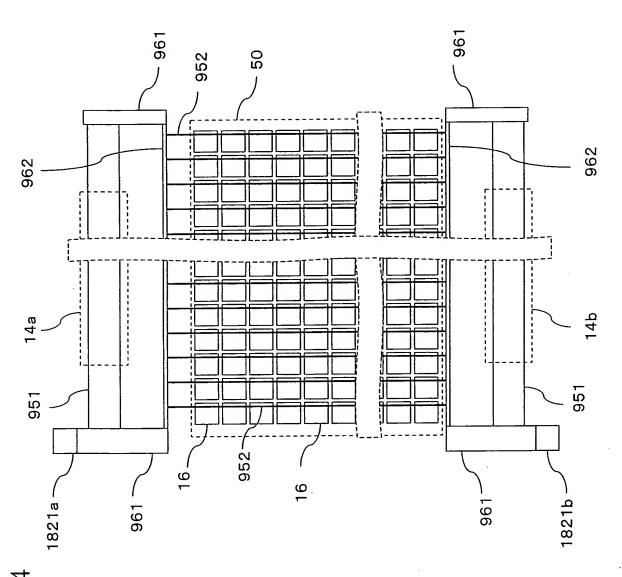


Fig. 184

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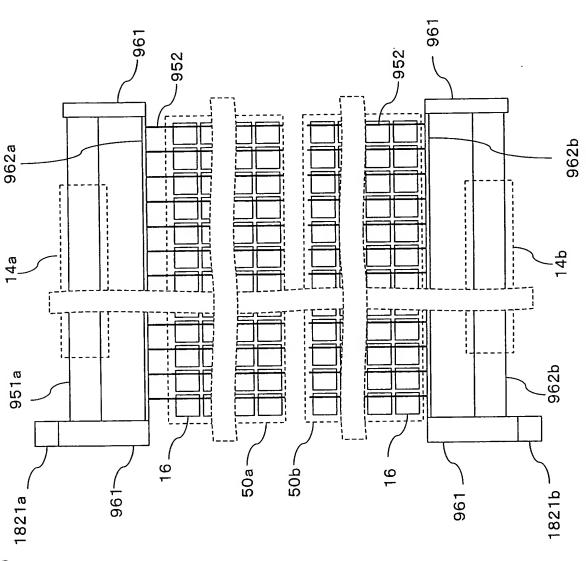
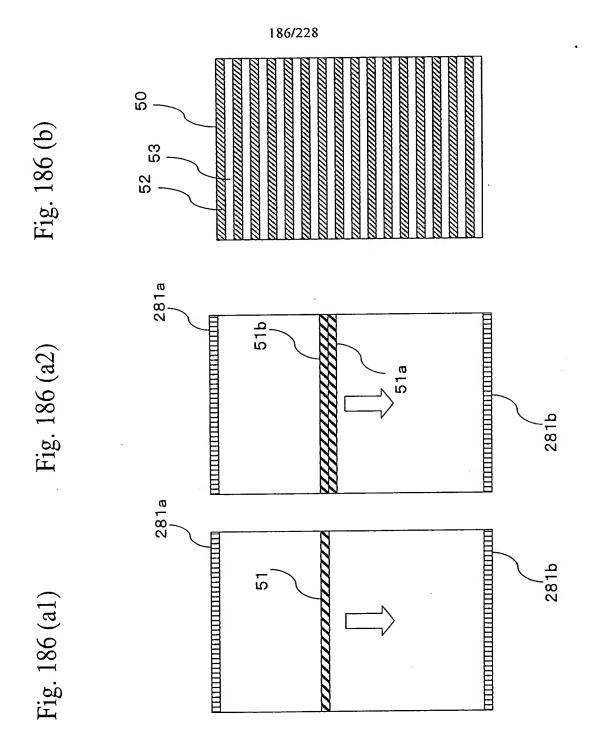
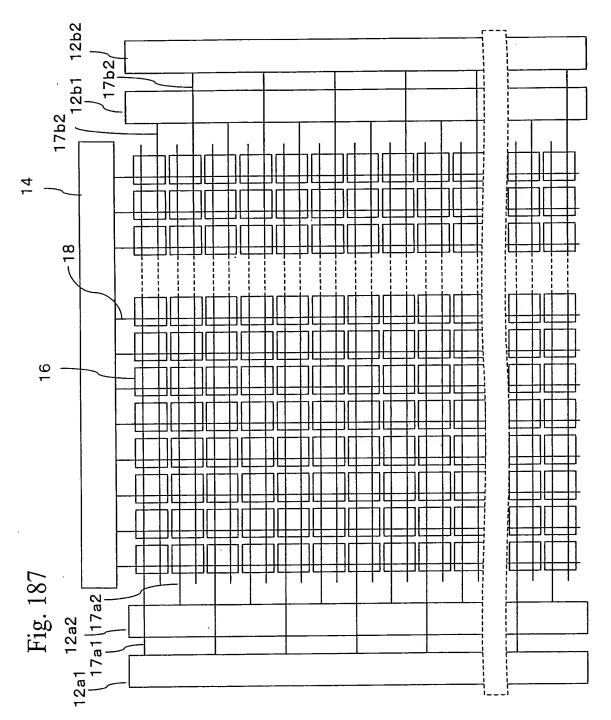


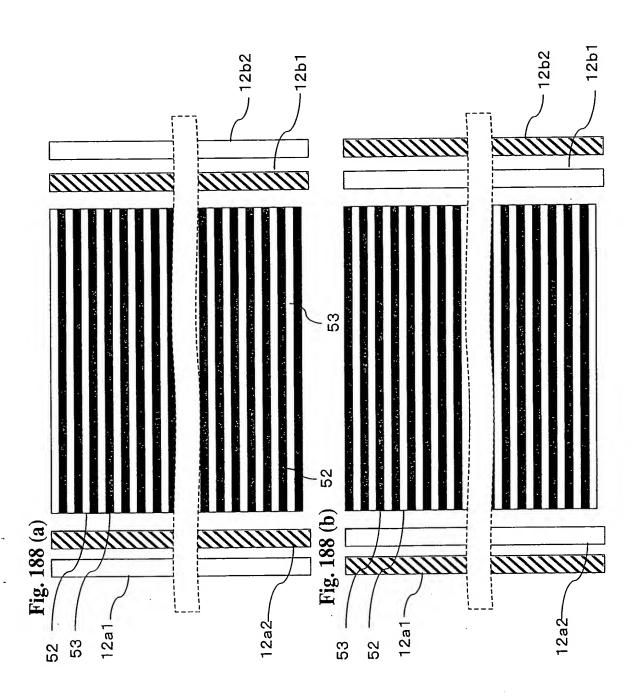
Fig. 185



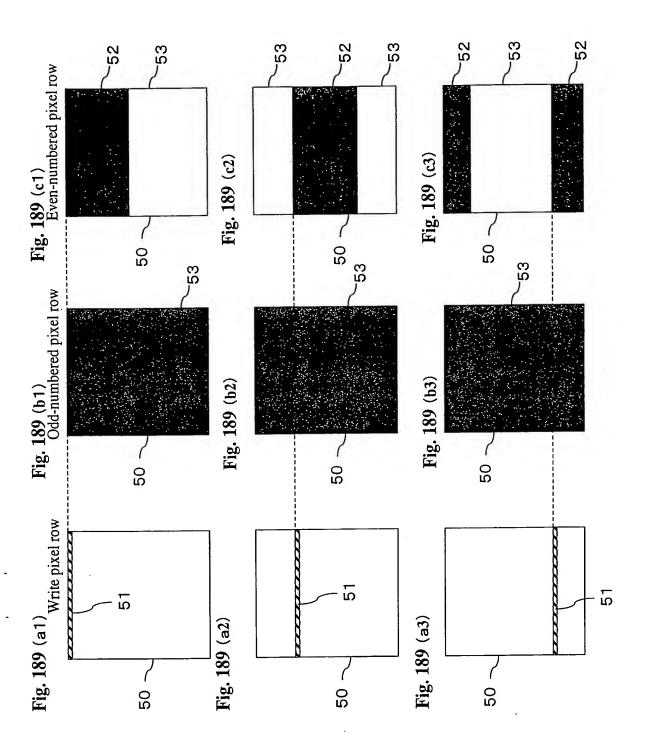
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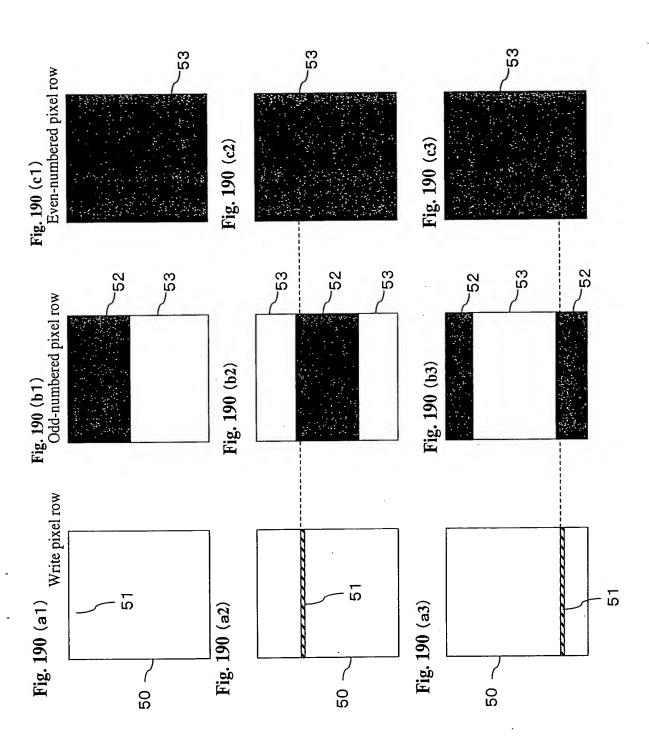
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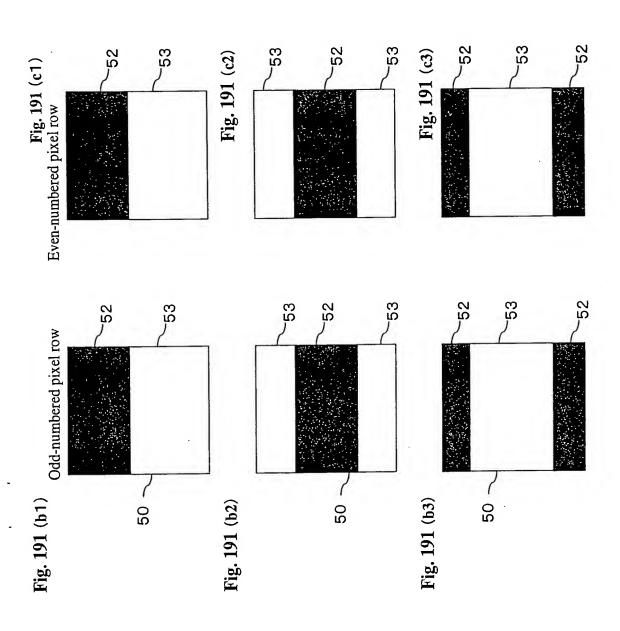
189/228



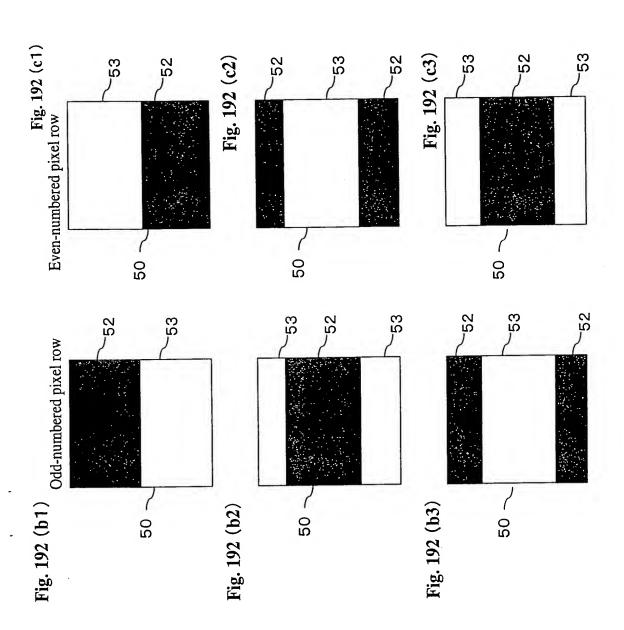
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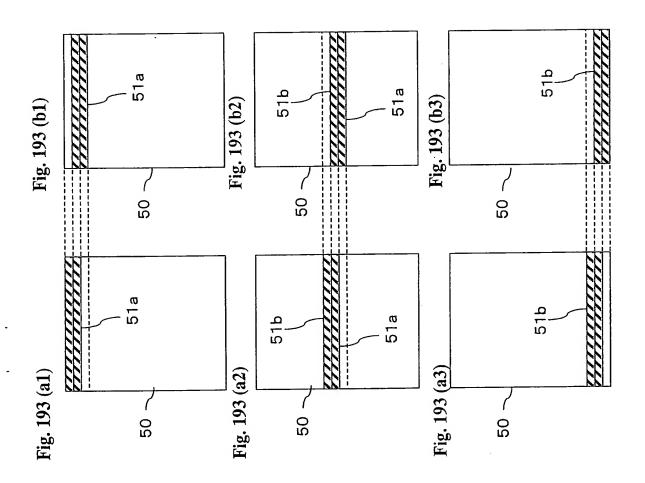
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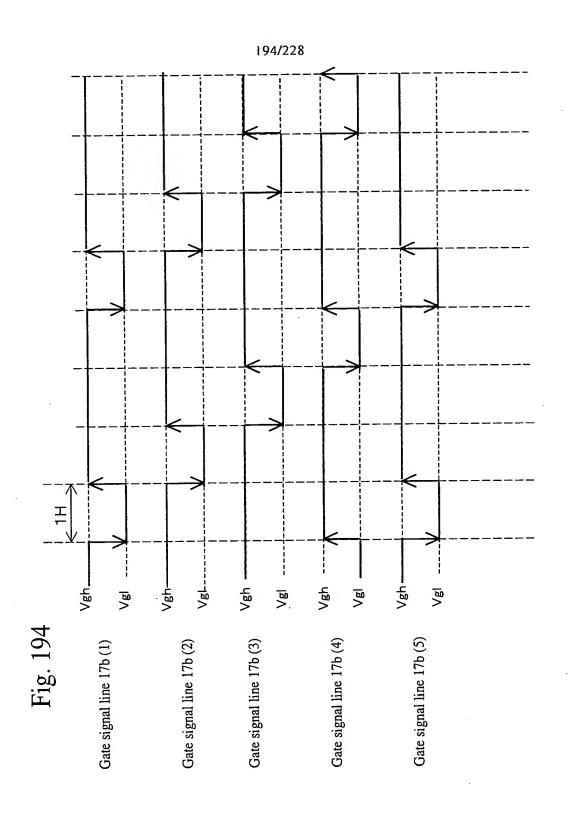
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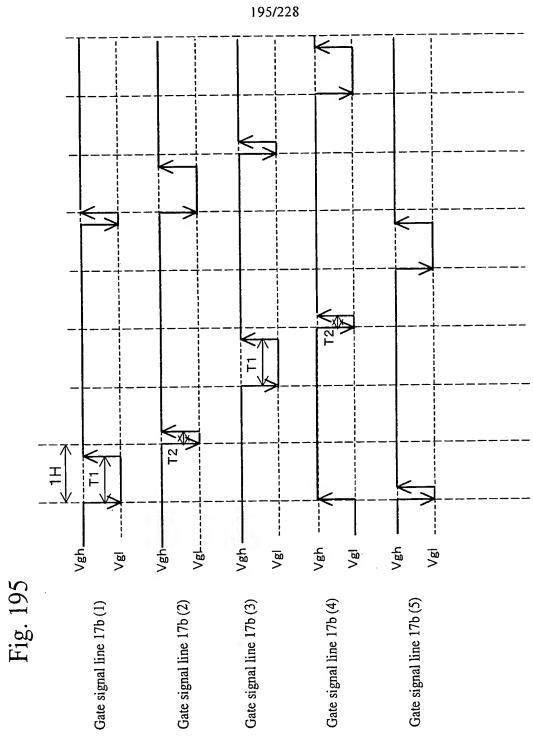


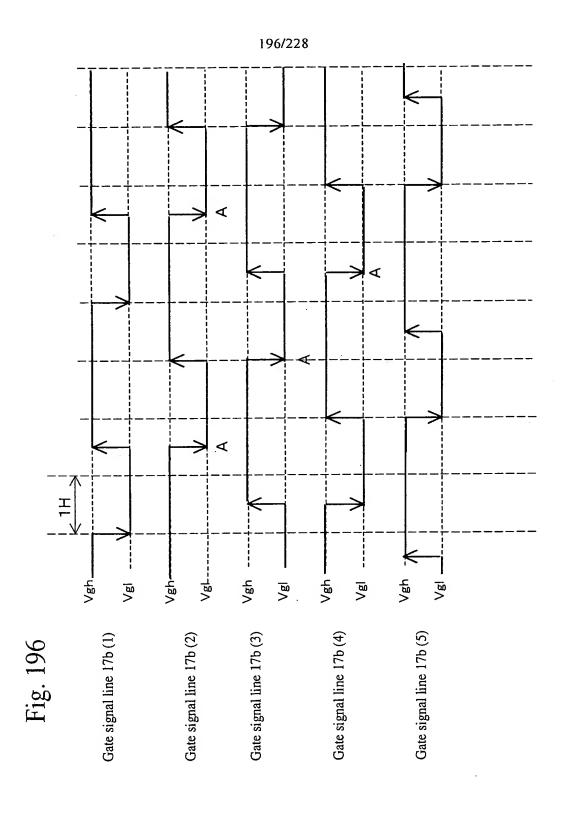
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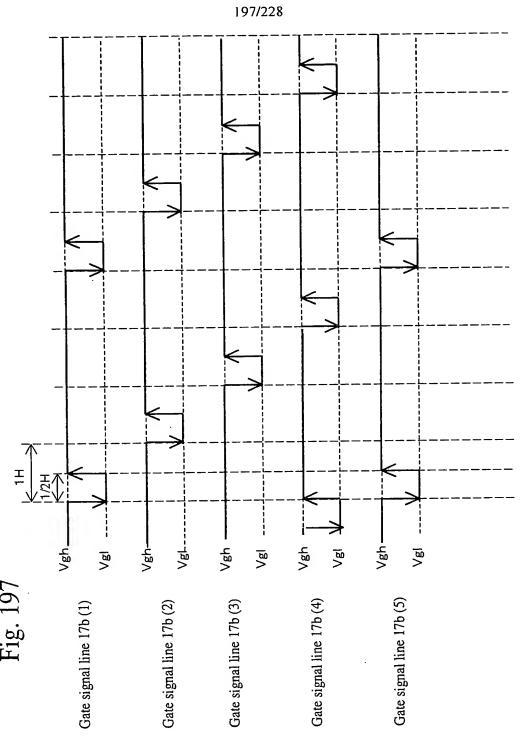
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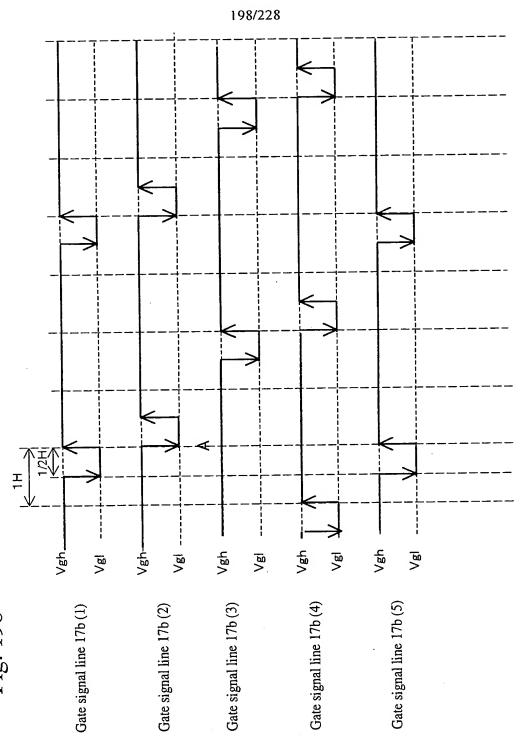


Fig. 198

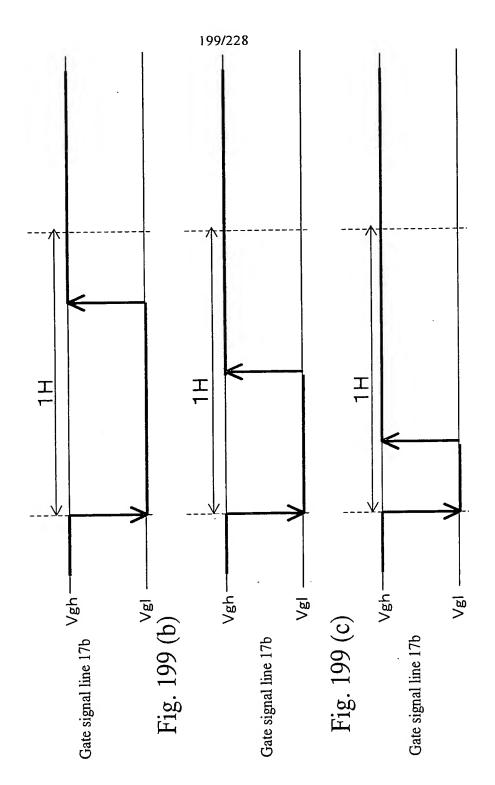


Fig. 199 (a)

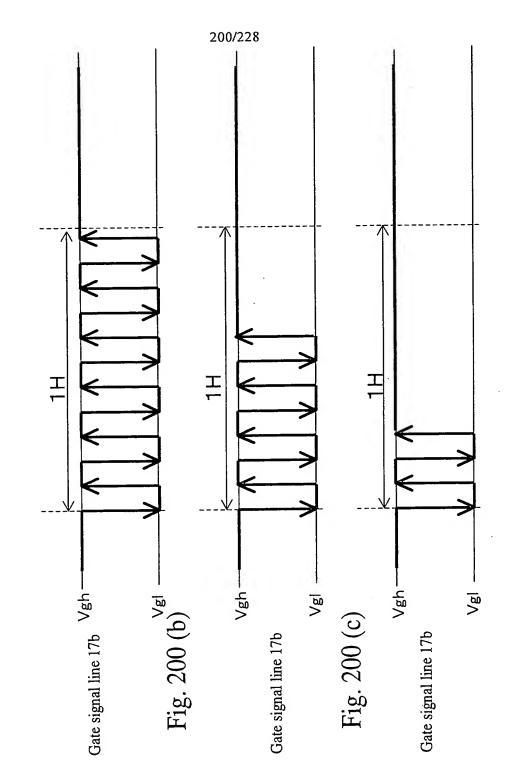


Fig. 200 (a)

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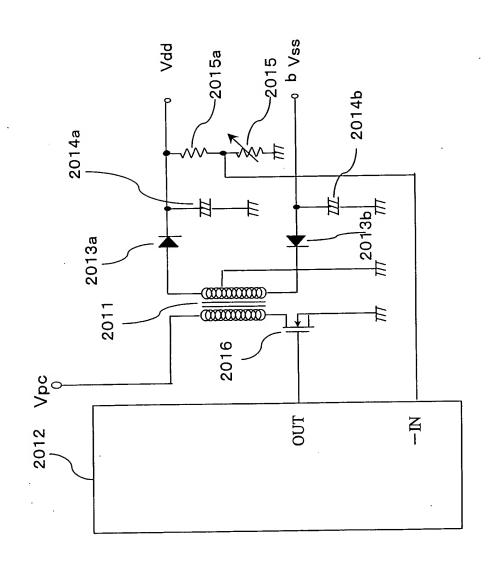


Fig. 201

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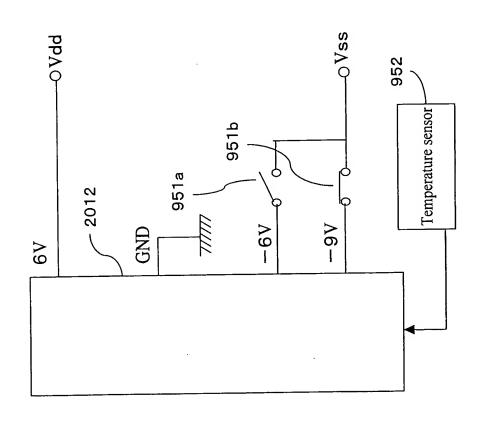


Fig. 202

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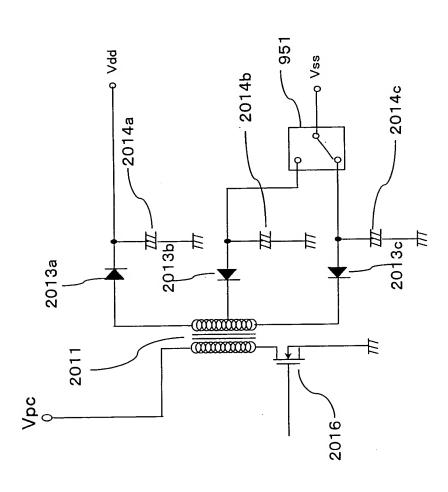
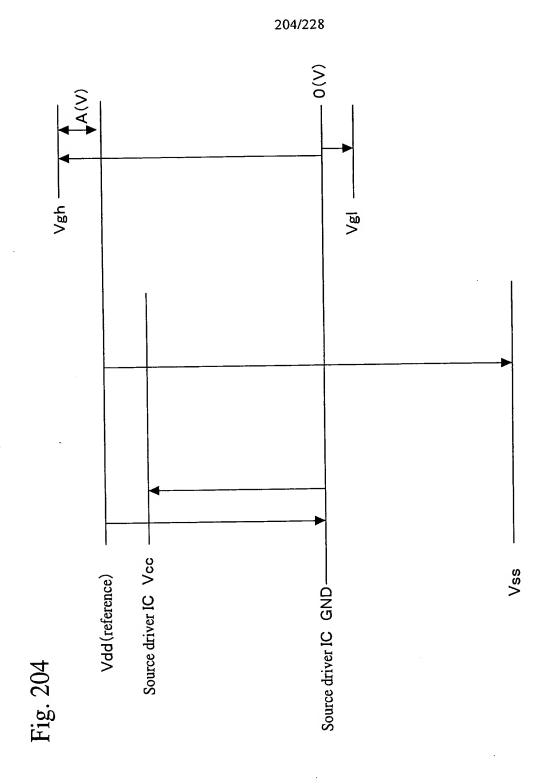


Fig. 203



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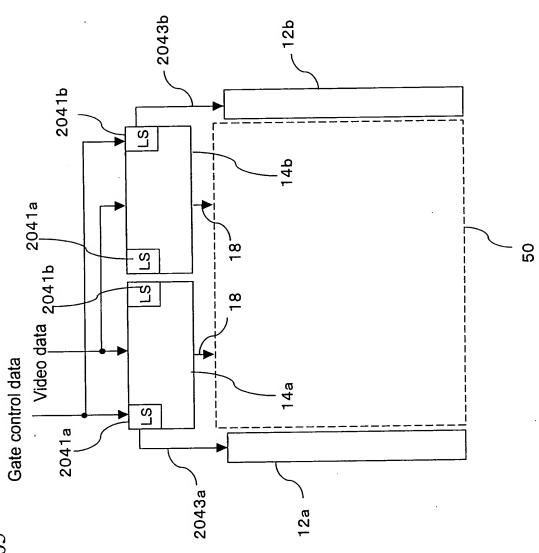


Fig. 20.

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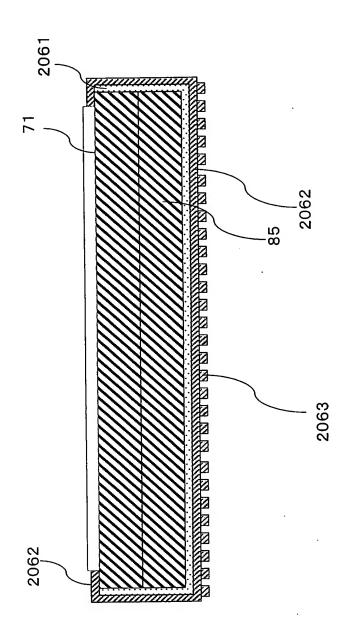
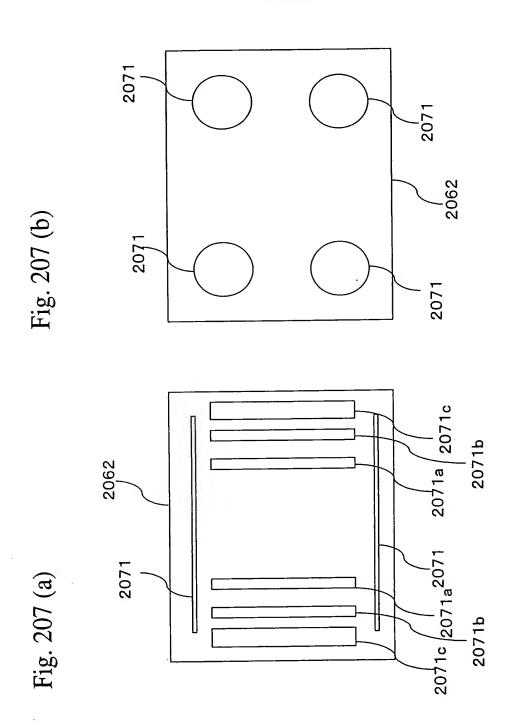


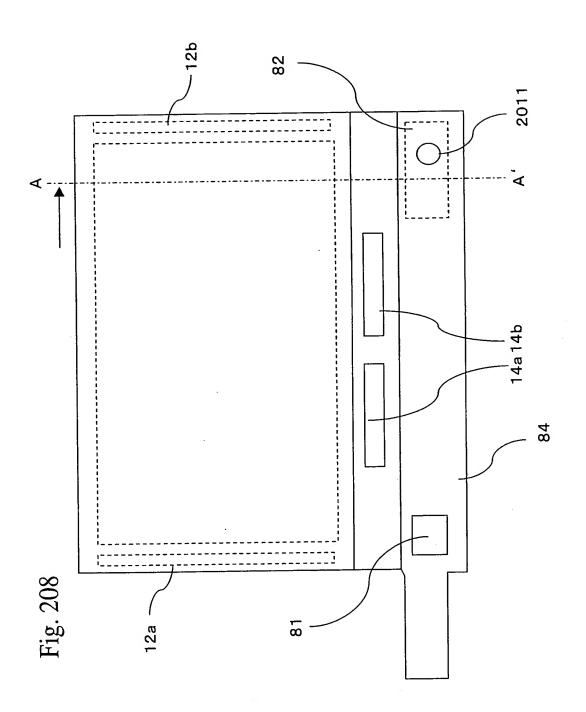
Fig. 200

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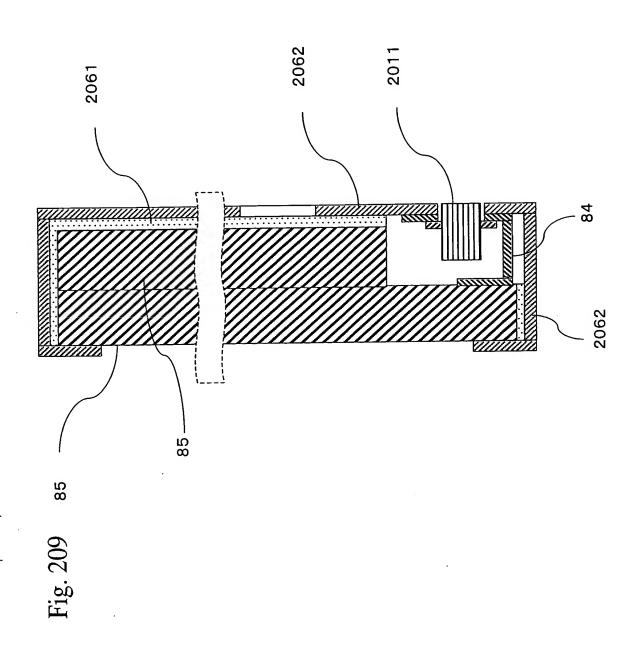


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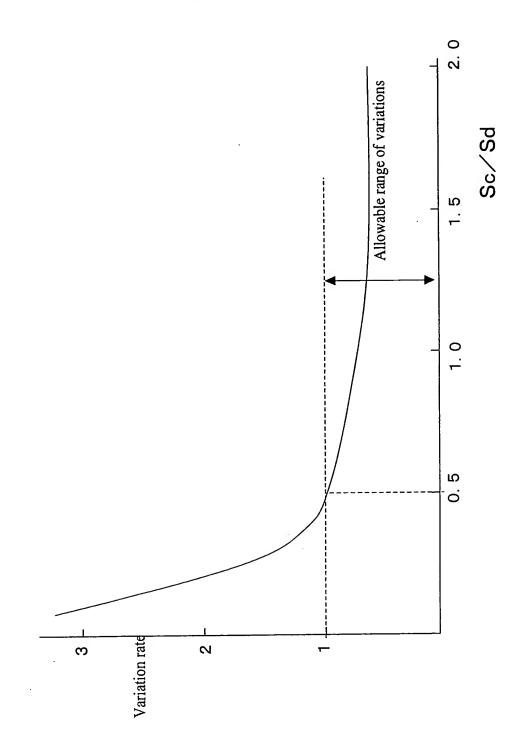
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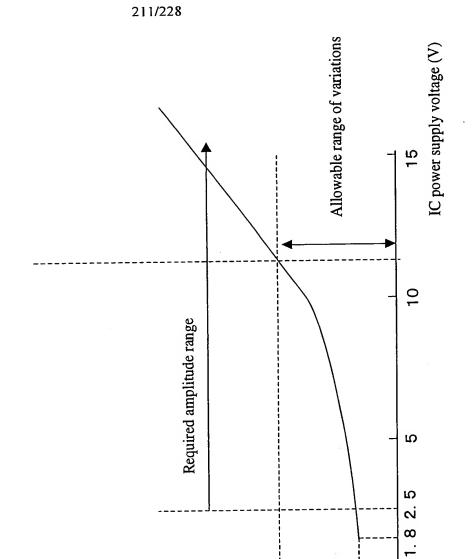


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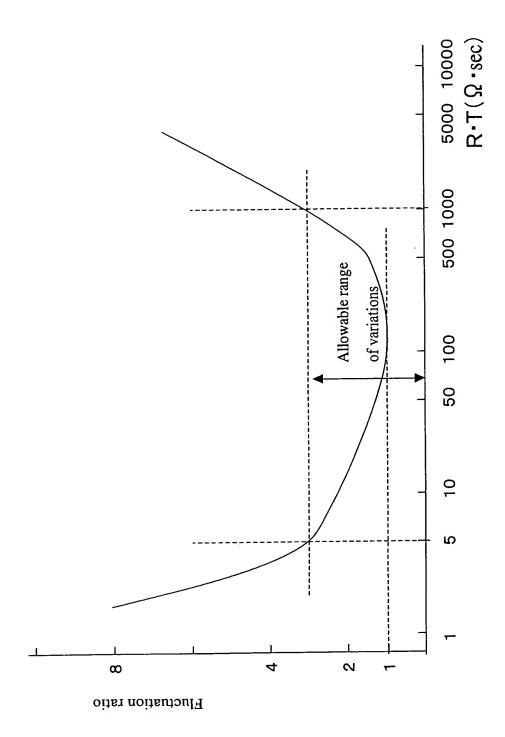
Fig. 21

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Fluctuation ratio

1 1

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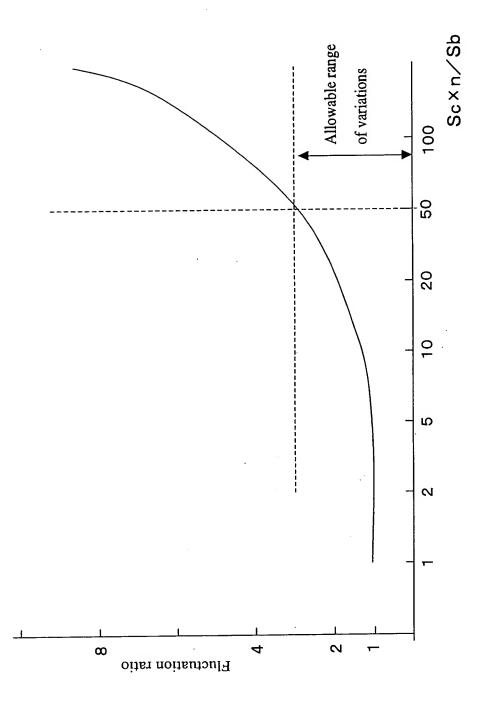


Fig. 21

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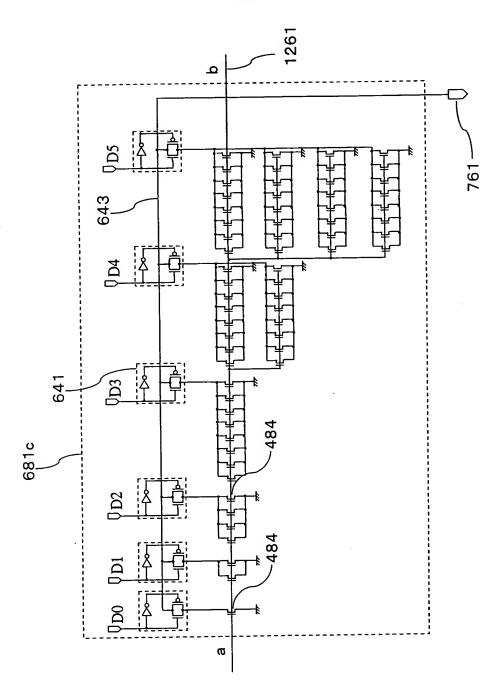


Fig. 21

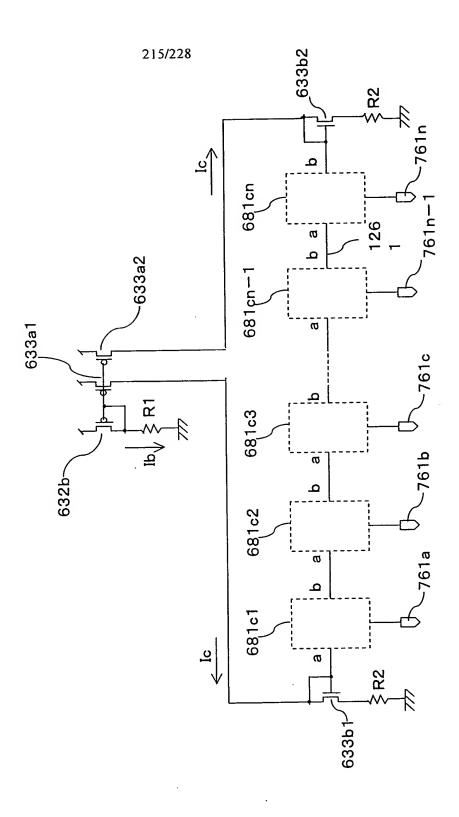


Fig. 21.

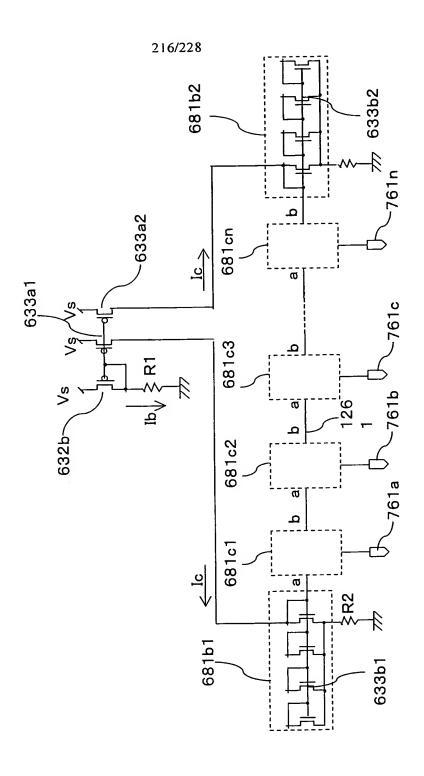
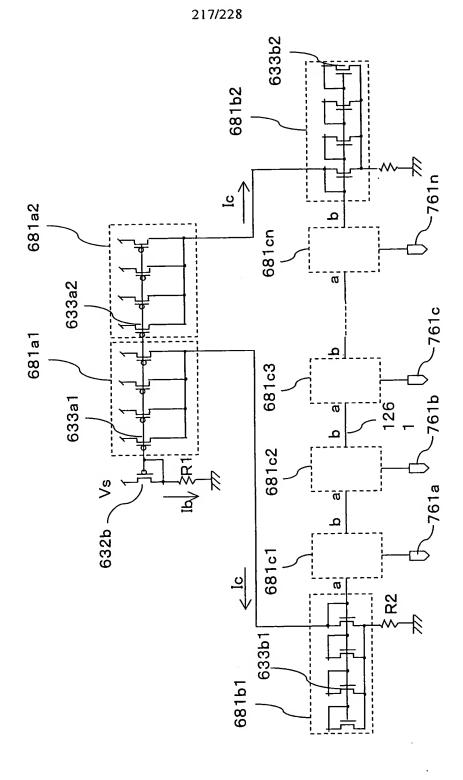
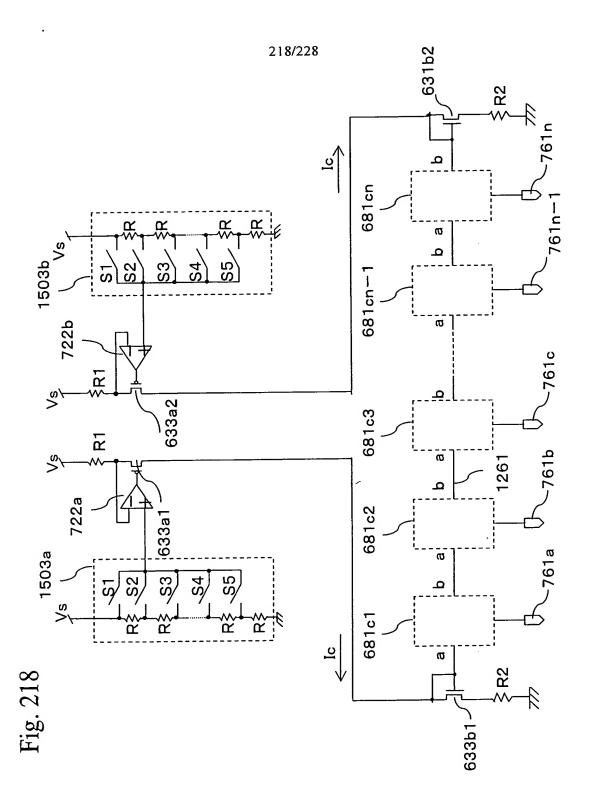
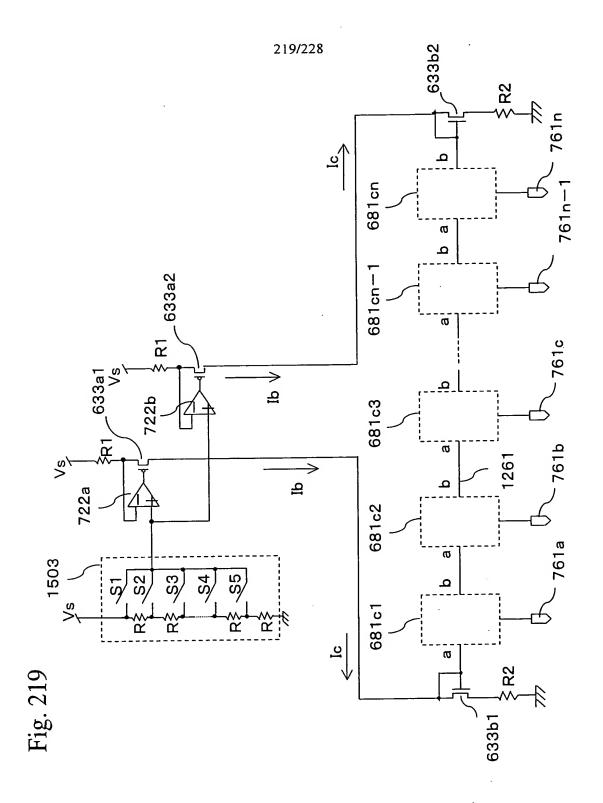


Fig. 216







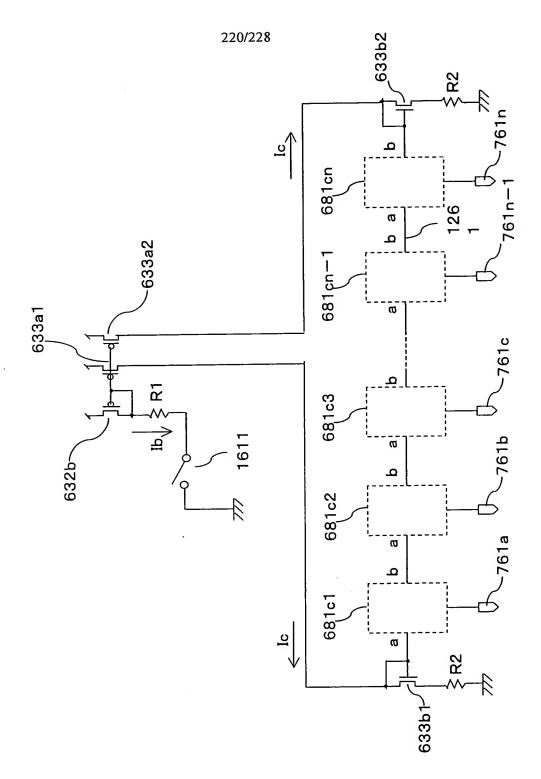


Fig. 22

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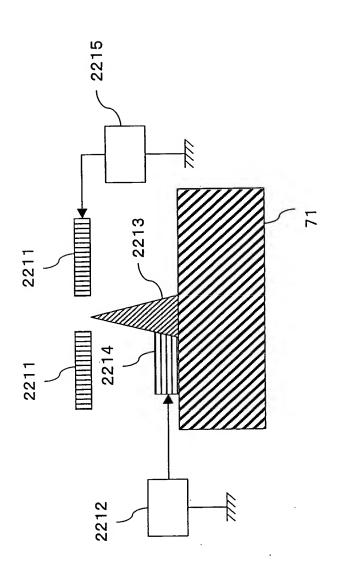


Fig. 22

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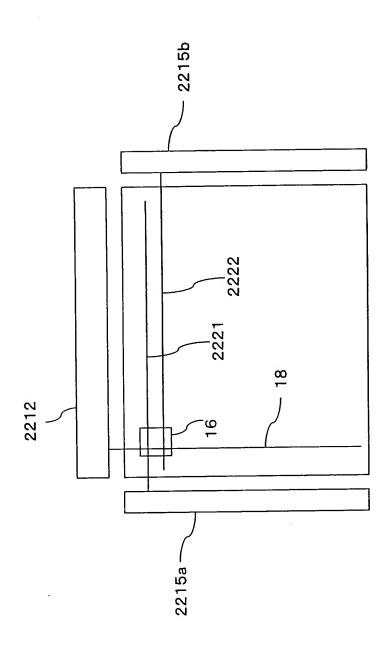
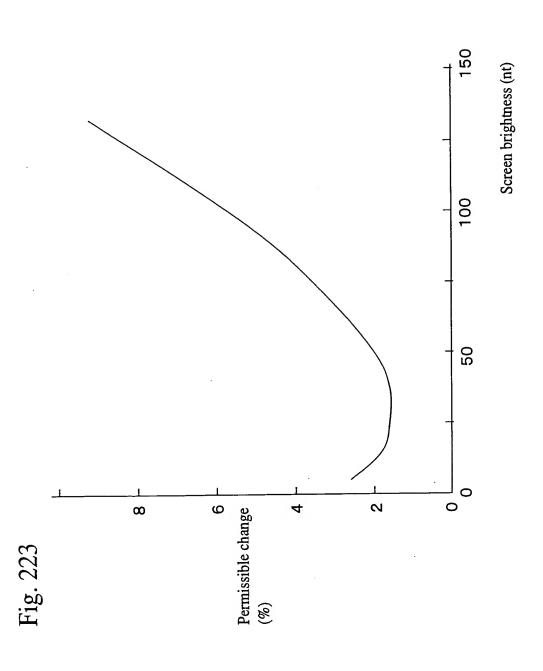
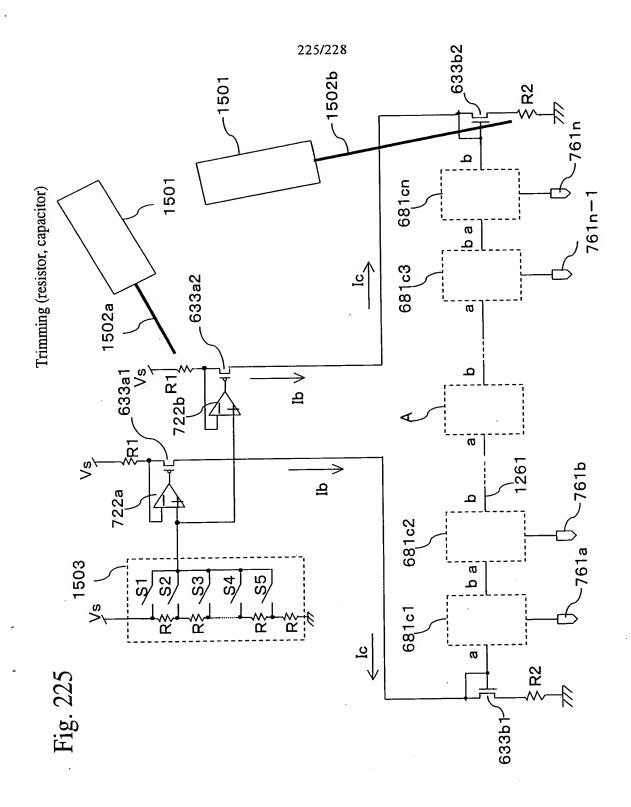


Fig. 222

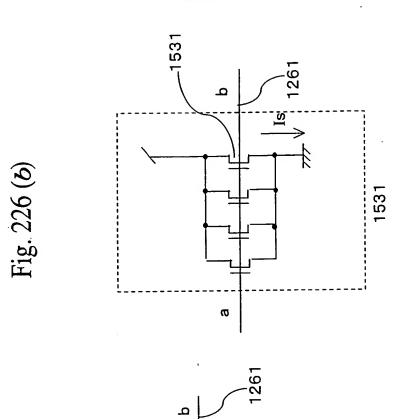
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224/228 Gate signal lie 17b EL-side selection - signal line OEV2 Gate signal line 17a Vgh Gate signal line 17b_{vgl} Vgh: H --Vgh Gate signal line 17a_{Vgl}_ Vgl Pixel-side selection Vgl -Fig. 224 (b) Fig. 224 (a) WR-side selection — signal line EL-side selection OEV1 OEV2 signal line OEV1 signal line



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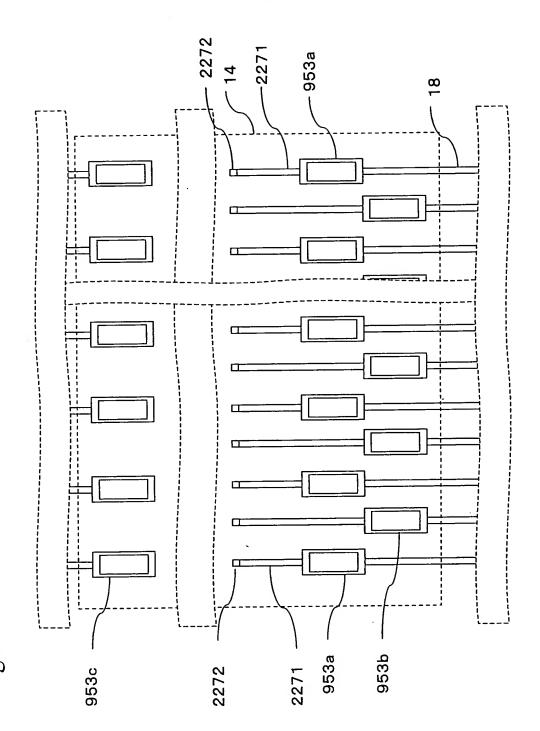


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Fig. 226 (a)

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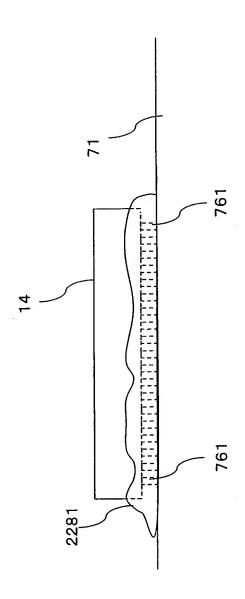


Fig. 228